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# WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS

## 1929–1930

OFFICE OF EXPERIMENT STATIONS

UNITED STATES DEPARTMENT OF AGRICULTURE
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# WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS

By MARY A. AGNEW
Office of Experiment Stations

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# KEY TO ABBREVIATIONS

*Acct.*, Accountant, Accounts.
*Actg.*, Acting.
*Admin.*, Administration, Administrative.
*Agr.*, Agriculture, Agriculturist, Agricultural.
*Agron.*, Agronomy, Agronomist.
*Agt.*, Agent.
*An.*, Animal.
*Anal.*, Analytical, Analysis.
*Anat.*, Anatomy.
*Arch.*, Architecture.
*Assoc.*, Associate, Association.
*Asst.*, Assistant.
*Bact.*, Bacteriology, Bacteriologist.
*Biochem.*, Biochemist, Biochemistry.
*Biol.*, Biology, Biologist, Biological.
*Bldg.*, Building, Buildings.
*Bot.*, Botany, Botanist, Botanical.
*Brdg.*, Breeding.
*Bul.*, Bulletin.
*Chair.*, Chairman.
*Chem.*, Chemistry, Chemist, Chemical.
*Climat.*, Climatology, Climatologist.
*Coll.*, College.
*Comp.*, Comparative.
*Comn.*, Commission.
*Comr.*, Commissioner.
*Consult.*, Consulting.
*Coop.*, Cooperation, Cooperative, Cooperator.
*Corresp.*, Correspondence, Correspondent.
*Dem.*, Demonstration, Demonstrator.
*Dept.*, Department.
*Dir.*, Director.
*Dist.*, District.
*Div.*, Division.
*Dom.*, Domestic.
*Econ.*, Economy, Economic, Economics, Economist.
*Ed.*, Education.
*Engin.*, Engineer, Engineering.
*Ent.*, Entomology, Entomologist, Entomological.
*Erad.*, Eradication.
*Expt.*, Experiment, Experimentalist, Experimental.
*Ext.*, Extension.
*Fert.*, Fertility, Fertilizer.
*Flor.*, Floriculture, Floriculturist, Floricultural.
*For.*, Forestry, Forester.
*Gard.*, Gardening.
*Gen.*, General.
*Geol.*, Geology, Geologist, Geological.
*Grad.*, Graduate.
*Histol.*, Histology, Histologist.
*Hon.*, Honorary.
*Hort.*, Horticulture, Horticulturist, Horticultural.
*Husb.*, Husbandry, Husbandman.
*Hyg.*, Hygiene.
*Illus.*, Illustration, Illustrative.
*Indus.*, Industry, Industrial, Industries.
*Inorg.*, Inorganic.
*Insp.*, Inspection, Inspector.
*Instr.*, Instructor, Instruction.
*Insts.*, Institutes.
*Invest.*, Investigations, Investigational, Investigator.
*Irrig.*, Irrigation, Irrigationist.
*Lab.*, Laboratory.
*Landsc.*, Landscape.
*Lect.*, Lecturer.
*Libr.*, Library, Librarian.
*Mach.*, Machine, Machinery.
*Mech.*, Mechanics, Mechanical.
*Met.*, Meteorology, Meteorologist.
*Mfg.*, Manufacturing.
*Mfrs.*, Manufactures.
*Mgr.*, Manager.
*Mgt.*, Management.
*Microbiol.*, Microbiology, Microbiologist.
*Mktg.*, Marketing.
*Morphol.*, Morphology, Morphologist.
*Mycol.*, Mycology, Mycologist.
*Nutr.*, Nutrition, Nutritionist.
*Oler.*, Olericulture, Olericulturist.
*Org.*, Organic.
*Organ.*, Organization, Organizations.
*Ornith.*, Ornithology Ornithologist.
*Parasitol.*, Parasitology, Parasitologist.
*Path.*, Pathology, Pathologist, Pathological.
*Pedag.*, Pedagogy, Pedagogics.
*Pharm.*, Pharmacy, Pharmacist, Pharmaceutical.
*Pharmacol.*, Pharmacology, Pharmacologist.
*Photog.*, Photography, Photographer.
*Phys.*, Physics, Physical.
*Physiol.*, Physiology, Physiologist, Physiological.
*Pomol.*, Pomology, Pomologist, Pomological.
*Pract.*, Practice, Practical.
*Prep.*, Preparatory.
*Pres.*, President.
*Prin.*, Principal.
*Prod.*, Production.
*Prof.*, Professor.
*Pubs.*, Publications.
*Sci.*, Science, Scientific.
*Sect.*, Section.
*Secy.*, Secretary.
*Secon.*, Secondary.
*Sociol.*, Sociology, Sociologist.
*Sta.*, Station.
*Substa.*, Substation.
*Supt.*, Superintendent.
*Supvr.*, Supervisor.
*Surg.*, Surgery.
*Tech.*, Technology, Technologist, Technical.
*Treas.*, Treasurer.
*Trop.*, Tropical.
*Univ.*, University.
*Veg.*, Vegetable, Vegetation.
*Vet.*, Veterinary, Veterinarian.
*Vit.*, Viticulture, Viticulturist, Viticultural.
*Voc.*, Vocational.
*Zool.*, Zoology, Zoologist.

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NOTE.—In the preparation of this publication Miss Agnew was assisted by Miss Betty T. Richardson, of the Office of Experiment Stations.

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A key to the abbreviations used is given on page IV.

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[1] On leave.

**Dairy Husbandry**—Continued.
*†R. N. Davis, M. S., *Assoc. Prof. and Assoc. Dairy Husb.*
‡C. F. Rowe, B. S., *Dairy and Poultry Specialist.*

**Engineering (Agr.-Irrig.):**
*†G. E. P. Smith, C. E., D. Eng., *Prof. Agr. Engin.; Agr. Engin.*
*†H. C. Schwalen, M. S. in C. E., *Assoc. Prof. and Assoc. Agr. Engin.*
†A. G. Carns, B. S., *Field Asst. in Irrig. and Hort.*

**Entomology:**
*†C. T. Vorhies, Ph. D., *Prof. Ent.; Ent.*

**Extension (Admin.):**[1]
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‡A. B. Ballantyne, B. S., *Asst. Dir.*
‡Frances L. Brown, B. A., *State Home Dem. Leader.*
‡H. R. Baker, B. S., *Boys' and Girls' Club Specialist.*
‡D. A. Gilchrist, B. S., *Leader in Rodent Control (Coop. U. S. D. A.: P. O., Phoenix).*

**Home Economics:**
*Stella Mather, M. A., *Prof. Home Econ.*
*Olive Gallatin, M. S., *Asst. Prof. Home Econ.*
*Maude E. Jenkins, M. S., *Assoc. Prof. Home Econ.*
*Ruth T. Lehman, M. A., *Asst. Prof. Home Econ.*
*Edith S. Ranney, M. A., *Assoc. Prof. Home Econ.*

**Horticulture:**
*†A. F. Kinnison, M. S., *Prof. Hort.; Hort.*
*†D. W. Albert, M. S., *Assoc. Prof. and Assoc. Hort.*
*†A. A. Nichol, B. S., *Asst. Prof. Hort.; Landsc. Gard.*
*†M. F. Wharton, M. S., *Asst. Prof. and Asst. Hort.*

**Human Nutrition:**
*†Mrs. Margaret C. Smith, Ph. D., *Prof. Nutr.; Nutr. Chem.*
†Mrs. Mabel L. Lynott, M. S., *Research Asst. in Nutr.*

**Plant Breeding:**
*†W. E. Bryan, M. S., *Prof. Plant Brdg.; Plant Breeder.*
*†E. H. Pressley, M. S., *Assoc. Prof. Plant Brdg.; Assoc. Plant Breeder.*

**Plant Pathology:**
*†J. G. Brown, Ph. D., *Prof. Plant Path.; Plant Path.*
*†R. B. Streets, Ph. D., *Assoc. Prof. and Assoc, Plant Path.*

**Poultry Husbandry:**
*†Harry Embleton, B. S., *Prof. Poultry Husb.; Poultry Husb.*
*†H. B. Hinds, M. S., *Asst. Prof. and Asst. Poultry Husb.*

**Range Ecology:**
*†W. G. McGinnies, B. S., *Asst. Prof. and Range Ecologist.*

**Miscellaneous:**
*Estelle Lutrell, A. M., *Libr.*
*Mrs. Ethel N. Ikenberry, B. S., *Editor.*

**Substations:**
Prescott Dry-Farm, *P. O., Prescott,* ———, *Foreman.*
Salt River Valley Farm, *P. O., Mesa*—C. J. Wood, *Foreman.*
Tempe Date-Palm Orchard, *P. O., Tempe*—T. L. Stapley, *Foreman.*
University Farm, *P. O., Tucson*—J. R. Reed, *Foreman.*
Yuma Valley and Mesa Farms, *P. O., Yuma*—J. G. Hamilton, B. S., *Foreman.*
G. H. Seamans, *Asst. Foreman.*

## ARKANSAS

**College of Agriculture and the Agricultural Experiment Station of the University of Arkansas,** *Fayetteville*

*College faculty. †Station staff. ‡Extension staff

*J. C. Futrall, M. A., LL. D., *President of University.*
*††Dan T. Gray, M. S., *Dean Coll. of Agr., Dir. of Sta., Dir. Agr. Ext. Service.*
*†C. O. Brannen, Ph. D., *Asst. Dir. of Research.*

**Agronomy:**
*†Martin Nelson, M. S., *Head of Dept., Vice Dean of Coll.*
*†R. P. Bartholomew, Ph. D., *Asst. Prof. and Asst. Agron.*
‡D. J. Burleson, M. S., *Agron. Specialist.*
*†George Janssen, Ph. D., *Asst. Prof. and Asst. Agron.*
*†L. C. Kapp, Ph. D., *Instr. and Asst. Agron.*
*†C. K. McClelland, M. S., *Asst. Prof. and Asst. Agron.*
*†J. O. Ware, M. S., *Assoc. Prof. and Assoc. Agron.*

**Animal Industry:**
*†H. E. Dvorachek, B. S., *Head of Dept.*
‡G. W. Knox, jr., B. S., *Poultry Specialist (P. O., Little Rock).*
*M. S. Libbert, B. S., *Instr. An. Indus.*
*†Edgar Martin, M. S., *Asst. Prof. and Asst. An. Indus. (Beef Cattle and Horses).*
‡M. W. Muldrow, B. S., *Livestock Specialist (P. O., Little Rock).*
*†R. M. Smith, M. A., *Instr. and Asst. An. Indus. (Poultry).*
*†C. C. Walts, M. S., *Instr. and Asst. An. Indus. (Dairying).*
‡W. H. Woodley, B. A., *Dairying Specialist.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

**Bacteriology and Veterinary Science:**
*†W. L. Bleecker, D. V. M., M. S., *Head of Dept.*
*J. H. Bux, D. V. S., *State Vet.* (*P. O., Little Rock*).

**Chemistry (Agr.):**
*†Barnett Sure, Ph. D., *Head of Dept.*
*†M. C. Kik, Ph. D., *Asst. Prof. and Invest. in Agr. Chem.*
†Dorothy J. Walker, B. A., *Research Asst. in Agr. Chem.*

**Economics and Sociology (Rural):**
*†C. O. Brannen, Ph. D., *Head of Dept.*
*†E. P. Dargan, M. S., *Asst. Prof. and Asst. in Rural Econ. and Sociol.*
*†J. A. Dickey, M. A., *Prof. Rural Econ. and Sociol.; Econ. and Sociol.*
*†B. M. Gile, Ph. D., *Assoc. Prof. and Assoc. Rural Econ. and Sociol.*
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*†J. S. Knox, M. S., *Mktg. Specialist.*

**Editorial:**
*‡K. B. Roy, B. J., *Editor.*
*†‡J. P. Bell, *Asst. Editor and Asst. to Dean.*

**Education (Agr.):**
*K. L. Holloway, M. S., *Assoc. Prof. and Head Dept. of Agr. Ed.*
*R. W. Roberts, M. S., *Asst. Prof. Agr. Ed.*

**Engineering (Agr.):**
*†D. G. Carter, M. S., *Head of Dept.*
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**Extension (Admin.):**[1]
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‡T. R. Reid, M. S., *Asst. Dir.* (*P. O., Little Rock*).
‡Connie J. Bonslagel, A. B., *State Home Dem. Agt.* (*P. O., Little Rock*).
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**Forestry**—*See* **Horticulture and Forestry.**

**Home Economics:**
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‡Gertrude E. Conant, B. A., *Foods and Nutr. Specialist* (*P. O., Little Rock*).
‡Mrs. Ida Fenton, M. S., *Home Mgt. Specialist* (*P. O., Little Rock*).
*Beulah V. Gillespie, M. S., *Instr. Home Econ.*
‡Bess P. Hodges, M. S., *Clothing and Textiles Specialist* (*P. O., Little Rock*).
‡Ruby Mendenhall, B. S., *Food Preservation Specialist* (*P. O., Little Rock*).
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**Substations:**
Cotton Branch Expt. Sta., *P. O., Marianna—*
E. B. Whitaker, B. S., *Asst. Dir. in charge.*
W. J. Neely, B. S., *Semitech. Asst.*
Fruit and Truck Branch Expt. Sta., *P. O., Hope—*
G. W. Ware, B. S., *Asst. Dir. in charge.*
G. A. Stockdale, B. S., *Semitech. Asst.*
Rice Branch Expt. Sta., *P. O., Stuttgart—*
G. H. Banks, B. S., *Asst. Dir. in charge.*

## Agricultural and Mechanical College, *Pine Bluff*

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*J. M. Coruthers, A. M., *Truck Gard. and Dairying.*
*Mrs. Eulah L. Peebles, *Dir. School of Home Econ.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

## CALIFORNIA

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†J. A. Denny, *Foreman in Cereal Work.*
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*†W. W. Mackie, M. S., *Assoc. Agron.*
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†W. W. Weir, *Assoc. Drainage Engin.* (*Soils*).
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†A. H. Folger, B. S., *in charge Advanced Registry Work* (*P. O., Davis*).
*†Harold Goss, B. S., *Asst. Prof. and Asst. An. Husb.* (*P. O., Davis*).
†H. R. Guilbert, M. S., *Asst. An. Husb.* (*P. O., Davis*).
†C. E. Howell, M. S., *Assoc. An. Husb.* (*P. O., Davis*).
*†E. H. Hughes, M. S., *Assoc. Prof. and Assoc. An. Husb.* (*P. O., Davis*).
†Max Kleiber, D. Sc., *Assoc. in An. Husb.* (*P. O., Davis*).
†S. W. Mead, M. S., *Assoc. An. Husb.* (*P. O., Davis*).
*†R. F. Miller, M. S., *Assoc. Prof. and Assoc. An. Husb.* (*P. O., Davis*).

**Animal Industry**—Continued.

*†W. M. Regan, A. M., *Prof. An. Husb.; An. Husb.* (*P. O., Davis*).
*†J. F. Wilson, M. A., *Asst. Prof. and Assoc. An. Husb.* (*P. O., Davis*).

**Botany:**

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*†H. A. Borthwick, M. A., *Research Asst. in Bot.* (*P. O., Davis*).
†E. B. Copeland, Ph. D., *Assoc. in Bot.*
*W. F. Court, *Tech. Asst. in Bot.*
*†W. W. Robbins, Ph. D., *Prof. Bot.; Bot.* (*P. O., Davis*).

**Chemistry and Plant Nutrition:**

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*†D. R. Hoagland, M. S., *Head Div. of Plant Nutr.*
*†C. S. Bisson, Ph. D., *Prof. Chem.; Chem.* (*P. O., Davis*).
†S. M. Brown, *Asst. Chem.* (*P. O., Riverside*).
*J. S. Burd, B. S., *Prof. Plant Nutr.*
†H. D. Chapman, Ph. D., *Asst. Chem.* (*P. O., Riverside*).
†W. H. Dore, B. S., *Assoc. Chem.*
†L. P. Haminsky, B. S., *Analyst* (*Plant Nutr.*).
†P. L. Hibbard, B. S., *Assoc. Chem.*
†J. C. Martin, B. S., *Asst. Chem.*
*J. G. Sewell, B. S., *Assoc. in Chem.* (*P. O., Davis*).
†E. E. Thomas, B. S., *Asst. Chem.* (*P. O., Riverside*).
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**Dairy Industry:**

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*†W. C. Cole, M. S., *Assoc. in Dairy Indus.* (*P. O., Davis*).
‡G. E. Gordon, B. S., *Dairy Specialist.*
†J. L. Henderson, B. S., *Asst. in Dairy Indus.* (*P. O., Davis*).
*†C. S. Mudge, Ph. D., *Assoc. Prof. Dairy Indus.; Assoc. Bact.* (*P. O., Davis*).
*†D. H. Nelson, M. S., *Assoc. in Dairy Indus.* (*P. O., Davis*).
*†C. A. Phillips, M. S., *Assoc. in Dairy Indus.; Junior Dairy Tech.* (*P. O., Davis*).

**Dairy Industry**—Continued.

*†G. A. Richardson, M. S., *Asst. Prof. Dairy Indus.; Asst. Dairy Chem.* (*P. O., Davis*).
†Mrs. Mabel Thorwaldsen, *Asst. in Bact.* (*P. O., Davis*).

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‡E. W. Braun M. A., *Agr. Econ. Specialist.*
*†H. E. Erdman, Ph. D., *Prof. Agr. Econ.; Agr. Econ.*
‡L. W. Fluharty, B. S., *Farm Mgt. Specialist.*
*†Asher Hobson, M. A., *Prof. Agr. Econ.; Agr. Econ. Research.*
†S. W. Shear, Ph. D., *Asst. Agr. Econ.*
‡Arthur Shultis, M. S., *Farm Mgt. Specialist.*
*†E. A. Stokdyk, M. S., *Assoc. in Agr. Econ.*
*†E. C. Voorhies, B. S., *Assoc. Prof. and Assoc. Agr. Econ.*
*†David Weeks, C. E., Ph. D., *Assoc. Prof. and Assoc. in Agr. Econ.*
‡H. R. Wellman, Ph. D., *Agr. Econ. Specialist.*
†C. H. West, M. S., *Asst. Agr. Econ.*
‡F. R. Wilcox, B. S., *Farm Mgt. Specialist.*

**Education (Agr.):**

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*W. E. Berg, B. S., *Pubs. Secy.*
‡H. M. Butterfield, M. S., *Supvr. Agr. Corresp. Courses.*
*O. J. Kern, *Asst. Prof. Agr. Ed.*

**Engineering (Agr.):**

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*†Frank Adams, A. M., *Head Irrig. Invest. and Pract.; Irrig. Econ.* (*P. O., Davis*).
*†Roy Bainer, M. S., *Asst. Prof. and Asst. Agr. Engin.* (*P. O., Davis*).
*†S. H. Beckett, B. S., *Prof. Irrig. Invest. and Pract.; Irrig. Engin.* (*P. O., Davis*).
*†H. L. Belton, *Farm Bldg. Technician* (*P.O., Davis*).
‡J. B. Brown, B. S., *Irrig. Specialist* (*P. O., Davis*).
†J. E. Christenson, B. S., *Junior Irrig. Engin.* (*P. O., Davis*).
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†C. V. Givan, A. B., *Junior Irrig. Engin.* (*P. O., Davis*).
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†M. R. Huberty, B. S., *Asst. Irrig. Engin.* (*P. O., Davis*).
†J. W. Jones, M. S., *Assoc. in Irrig. Invest. and Pract.* (*Coop. U. S. D. A.: P. O., Biggs*).
†J. D. Long, M. S., *Junior Agr. Engin.* (*P. O., Davis*).
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**Engineering (Agr.)**—Continued.

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*†E. J. Stirniman, [1] M. S., *Assoc. Prof. and Assoc. Agr. Engin.* (*P. O., Davis*).
†J. R. Tavernetti, B. S., *Field Agr. Engin.*
†C. M. Titus, M. A., *Assoc. Statistician* (*P. O., Davis*).
*†H. A. Wadsworth, [1] M. S., *Asst. Prof. Irrig. Invest. and Pract.; Asst. Irrig. Engin.*
†J. S. Winters, B. S., *Assoc. in Irrig. Engin.* (*P. O., Davis*).
†R. Wray, *Asst. in Irrig. Invest.* (*P. O., Davis*).

**Entomology:**

*†W. B. Herms, M. A., *Head of Div. Prof. Parasitol.; Ent.*
†A. J. Basinger, M. S., *Asst. in Ent.* (*P. O., Riverside*).
†A. D. Borden, A. M., *Research Asst. in Ent. and Parasitol.*
†A. M. Boyce, M. S., *Junior Ent.* (*P. O., Riverside*).
†Harold Compere, *Asst. in Ent.* (*P. O., Riverside*).
*†E. O. Essig, M. S., *Prof. Ent.; Ent.*
†S. E. Flanders, A. B., *Parasite Collector* (*P. O., Riverside*).
*†S. B. Freeborn, Ph D., *Assoc. Prof. and Assoc. Ent.* (*P. O., Davis*).
†W. M. Hoskins, Ph. D., *Asst. Ent.*
†J. F. Lamiman, M. S., *Research Asst. Ent. and Parasitol.*
*†H. J. Quayle, [1] M. S., *Prof. Ent.; Ent.* (*P. O., Riverside*).
†H. P. Severin, Ph. D., *Assoc. Ent.*
*†H. S. Smith, M. A., *Assoc. Prof. and Ent.* (*P. O., Riverside*).
†L. M. Smith, M. S., *Asst. in Ent.* (*P. O., San Jose*).
†R. H. Smith, Ph. D., *Assoc. Ent.* (*P. O., Riverside*).
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†P. H. Timberlake, B. A., *Assoc. Ent.* (*P. O., Riverside*).
†Jocelyn Tyler, M. A., *Research Asst. Ent.*
*E. C. Van Dyke, B. S., M. D., *Prof. Ent.*
†G. H. Vansell, A. M., *Assoc. in Ent. and Junior Apiculturist* (*P. O., Davis*).
*C. W. Woodworth, M. S., *Prof. Ent.*
†F. H. Wymore, M. S., *Assoc. in Ent.* (*P. O., (Davis*).

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‡Harriet G. Eddy, A. B., *State Home Dem. Leader.*
‡Lillian D. Clark, *Asst. State Home Dem. Leader.*
‡T. C. Mayhew, B. S., *Asst. State Leader, Coast Counties.*
‡W. R. Ralston, B. S., *Asst. State Club Leader.*
‡C. W. Rubel, B. S., *Asst. State Leader, Northern Counties.*

[1] On leave.

[2] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

**Extension (Admin.)**—Continued.

‡May Secrest, B. S., *Asst. State Home Dem. Leader.*
‡Fleda E. Smith, B. S., *Asst. State Home Dem. Leader.*
‡L. B. Smith, B. S., *Asst. State Leader, Southern Counties.*
‡F. M. Spurrier, B. S., *Asst. State Club Leader, Northern Counties.*
‡J. E. Tippett, B. S., *Asst. County Agt. Leader and in charge of Specialists.*
‡W. G. Waterhouse, B. S., *Asst. State Club Leader, Coast Counties.*
‡Harold Ellis, *Information and Publicity.*
‡C. F. Elwood, B. S., *Asst. Prof. in charge Public Service Office.*
‡T. F. Hunt, B. S., *Assoc. Prof. Agr. Ext.*
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**Forestry:**

*†Walter Mulford, F. E., *Head of Div.*
*†F. S. Baker, F. E., *Assoc. Prof. For.; Assoc. Silviculturist.*
*Emanuel Fritz, M. E., M. F., *Assoc. Prof. For.*
*†M. E. Krueger, M. S., *Assoc. Prof. and Assoc. For.*
*‡Woodbridge Metcalf, M. S., *Assoc. Prof. and For. Specialist.*
*†H. E. Malmsten, B. S. F., *Asst. Prof. and Asst. For.*
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**Genetics (Agr.):**

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*R. E. Clausen, Ph. D., *Prof. Genetics.*
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*†W. H. Chandler, Ph. D., *Head Div. of Pomol.*

**Horticulture**—Continued.

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†E. M. Bailey, Ph. D., *Chem. in charge.*
†V. L. Churchill, *Field Agt.*
†H. J. Fisher, B. A., *Asst. Chem.*
†W. T. Mathis, *Asst. Chem.*
†O. L. Nolan, *Asst. Chem.*
†C. E. Shepard, *Asst. Chem.*
†D. C. Walden, B. S., *Asst. Chem.*
†Harriet C. Yale, *Gen. Asst.*

**Biochemistry:**
†H. B. Vickery, Ph. D., *Biochem. in charge.*
†Helen C. Cannon, B. S., *Dietitian.*
†C. S. Leavenworth, Ph. B., *Asst. Chem.*

**Biochemistry**—Continued.
†L. S. Nolan, *Gen. Asst.*
†G. W. Pucher, Ph. D., *Research Asst. Biochem.*
†A. J. Wakeman, Ph. D., *Research Chem.*

**Botany:**
†G. P. Clinton, Sc. D., *Bot. in charge.*
†Florence A. McCormick, Ph. D., *Path.*
†A. D. McDonnell, *Gen. Asst.*
†E. M. Stoddard, B. S., *Pomol.*

**Entomology:**
†W. E. Britton, Ph. D., *Ent. in charge* (*State Ent.*).

[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

**Entomology**—Continued.
†J. T. Ashworth, *Deputy in charge Gypsy Moth Work.*
†R. C. Botsford, *Deputy in charge Mosquito Elimination.*
†R. B. Friend, Ph. D., *Asst. Ent.*
†Philip Garman, Ph. D., *Asst. Ent.*
†J. P. Johnson, B. S., *Deputy in charge Asiatic and Japanese Beetle Quarantines (Coop. U. S. D. A.: P. O., Shelton).*
†B. H. Walden, B. Agr., *Asst. Ent.*
†M. P. Zappe, B. S., *Asst. Ent.*

**Forestry:**
†W. O. Filley, *For. in charge.*
†Henry Bull, B. S., M. F., *Asst. in For.*
†H. W. Hicock, M. F., *Asst. For.*
†J. E. Riley, jr., M. F., *in charge Blister Rust Control (Coop. U. S. D. A.).*

**Genetics:**
†D. F. Jones, S. D., *Geneticist in charge.*
†H. R. Murray, B. S., *Asst. in Veg. Brdg.*
†W. R. Singleton, S. M., *Asst. in Genetics.*

**Soils:**
†M. F. Morgan, M. S., *Agron. in charge.*
†D. B. Downes, *Gen. Asst.*
†H. G. M. Jacobson, M. S., *Asst. Agron.*
†H. A. Lunt, Ph. D., *Research Asst. in For. Soils.*

**Miscellaneous:**
†Louise M. Brautlecht, *Libr.*

**Substations:**
Tobacco Substa., *P. O. Windsor*—
P. J. Anderson, Ph. D., *Path. in charge.*
O. E. Street, Ph. D., *Plant Chem.*
T. R. Swanback, M. S., *Sci. Asst.*

## DELAWARE

### School of Agriculture and the Agricultural Experiment Station of the University of Delaware, *Newark*

*College faculty. †Station staff. ‡Extension staff

*Walter Hullihen, Ph. D., D. C. L., LL. D., *President of University.*
*†‡C. A. McCue, B. S., *Dean School of Agr., Dir. of Sta., Dir. of Ext. Service.*

**Agronomy:**
*†G. L. Schuster, M. S., *Prof. Agron.; Agron.*
*†H. C. Harris, Ph. D., *Asst. Prof. and Asst. Agron.*
†C. E. Phillips, M. S., *Asst. Agron.*

**Animal Industry:**
*†C. C. Palmer, D. V. M., M. S., *Prof. Bact. and Hyg.; Consult. Vet.*
*T. A. Baker, B. S., *Prof. An. Husb.*
†A. E. Tomhave, M. S., *An. Husb.*
*J. C. Kakavas, M. S., *Instr. Bact.*
†C. W. Mumford, *Supt. of Poultry Plant.*
‡H. S. Palmer, B. S., *Poultry Specialist.*

**Chemistry:**
†P. B. Myers, B. S., *Chem.*
†G. L. Baker, M. S., *Asst. Chem.*
†G. M. Gilligan, M. S., *Asst. Chem.*
†M. W. Goodwin, B. S., *Asst. Chem.*

**Economics (Agr.):**
†M. M. Daugherty, M. S., *Head of Dept.*
†R. O. Bausman, M. S., *Asst. Agr. Econ.*
†H. S. Gabriel, Ph. D., *Asst. Agr. Econ.*

**Education (Agr.):**
*R. W. Heim, A. M., *Prof. Voc. Agr. Ed.*

**Entomology:**
†‡L. A. Stearns, Ph. D., *Ent.*
†L. L. Williams, M. S., *Asst. Ent. (P. O., Wyoming).*

**Extension (Admin.):**[1]
Director McCue *in charge.*
‡A. D. Cobb, B. S., *State Leader of County Agts.*
‡Mrs. Helen V. McKinley, B. S., *State Home Dem. Leader.*

**Home Economics:**[2]
*Amy Rextrew, M. A., *Prof. Home Econ.*
*Elizabeth G. Kelly, M. A., *Asst. Prof. Home Econ.*
*Emily A. King, M. S., *Instr. Home Econ.*
‡Pearl MacDonald, A. M., *Nutr. Specialist.*

**Horticulture:**
Dean McCue, *Head of Dept.*
*†L. R. Detjen, M. S., *Prof. and Assoc. Hort.*
†F. S. Lagassé, M. S., *Research Hort.*
*†J. E. Vaile, M. S., *Instr. and Asst. Hort.*

**Plant Pathology:**
*†‡T. F. Manns, Ph. D., *Prof. Plant Path. and Soil Bact.; Plant Path. and Soil Bact.*
†‡J. F. Adams, Ph. D., *Assoc. Plant Path. and Specialist in Truck Crops and Plant Diseases.*

**Miscellaneous:**
*†‡Mrs. Florence E. Fader, *Secy.*
†Freda E. Ritz, *Libr.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
[2] Given in the Women's College.

**State College for Colored Students,** *Dover*

*Agricultural faculty

*R. S. Grossley, B. S., LL. D., *President.*
*T. A. Jeter, B. S., *Dir. of Agr.*

*Florence G. Brooks, Phar. C., *Instr. Home Econ.*
*Nell F. Childs, *Libr.*
*Mrs. Beulah E. B. Gowens, A. B., *Dom. Art.*
*Mrs. Helen B. Grossley, A. M., *Dir. Home Econ.*
*J. E. Reid, *Instr. Mech. Arts.*

## FLORIDA

**College of Agriculture and the Agricultural Experiment Station of the University of Florida,** *Gainesville*

*College faculty. †Station staff. ‡Extension staff

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*††Wilmon Newell, M. S., D. Sc., *Dean Coll. of Agr., Dir. of Sta., Dir. of Agr. Ext. Div.*
†S. T. Fleming, A. B., *Asst. Dir. of Sta.*

**Agronomy:**
†W. E. Stokes, M. S., *Head of Sta. Dept.*
*O. C. Bryan, Ph. D., *Prof. Agron.*
†F. H. Hull, M. S., *Asst. Agron.*
†W. A. Leukel, Ph. D., *Assoc. Agron.*
†G. E. Ritchey, M. S., *Asst. Agron.* (*Coop. U. S. D. A.*).
*P. H. Senn, M. S., *Asst. Prof. Agron.*
†J. D. Warner, M. S., *Asst. Agron.*

**Animal Husbandry:**
*†A. L. Shealy, B. S., D. V. M., *Prof. Vet. Sci. and Head of Sta. Dept.*
*C. H. Willoughby, B. Agr., M. A., *Prof. An. Husb. and Dairying.*
†R. B. Becker, Ph. D., *Assoc. in Dairy Husb.*
‡H. L. Brown, B. S., *Ext. Dairyman.*
†C. R. Dawson, B. S., *Asst. in Dairy Invest.*
*F. G. Martin, M. S., *Instr. An. Husb. and Dairying.*
‡N. R. Mehrhof, B. S., M. Agr., *Poultry Specialist.*
†W. M. Neal, Ph. D., *Asst. in An. Nutr.*
*N. W. Sanborn, M. D., *Prof. Poultry Husb.*
†D. A. Sanders, B. S., D. V. M., *Assoc. Vet.* (*P. O., West Palm Beach*).
†E. F. Thomas, D. V. M., *Asst. Vet.*

**Botany**—*See* **Horticulture.**

**Chemistry (Agr.):**
†R. W. Ruprecht, Ph. D., *Head of Sta. Dept.*
*A. P. Black, A. B., *Prof. Agr. Chem.*
†R. M. Barnette, Ph. D., *Assoc. Chem.*
†C. E. Bell, M. S., *Asst. Chem.*
†J. M. Coleman, B. S., *Asst. Chem.*
†J. B. Hester, B. S., *Asst. Chem.*
*V. T. Jackson, Ph. D., *Assoc. Prof. Agr. Chem.*
†H. L. Marshall, M. S., *Asst. Chem.*

**Economics (Agr.):**
†C. V. Noble, Ph. D., *Head of Sta. Dept.*
*J. E. Turlington, Ph. D., *Prof. Agr. Econ.*
†M. A. Brooker, M. S., *Asst. Agr. Econ.*
*F. W. Brumley, M. S., *Asst. Prof. Farm Mgt.*

**Economics (Agr.)**—Continued.
*H. G. Hamilton, Ph. D., *Assoc. Prof. Mktg.*
†Bruce McKinley, B. S., *Assoc. Agr. Econ.*
†J. L. Wann, B. S., *Asst. Agr. Econ.*

**Editorial:**
††J. F. Cooper, M. S., *Editor.*
††R. M. Fulghum, B. S., *Asst. Editor.*

**Education (Agr.):**
*E. W. Garris, Ph. D., *Prof. Agr. Ed.*

**Engineering (Agr.):**
*Frazier Rogers, B. S., *Prof. Agr. Engin.*

**Entomology:**
†J. R. Watson, M. A., *Head of Sta. Dept.*
†H. E. Bratley, M. S., *Lab. Asst. in Ent.*
†A. N. Tissot, M. S., *Asst. Ent.*
†F. W. Walker, *Asst. Ent.* (*Pecan Invest.: P. O., Monticello*).

**Extension (Admin.):**[1]
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‡Flavia Gleason, *State Home Dem. Agt.* (*P. O., Tallahassee*).
‡R. W. Blacklock, A. B., *State Club Leader.*
‡Virginia P. Moore, *Asst. State Home Dem. Agt.* (*P. O., Tallahassee*).

**Home Economics:**
†Ouida D. Abbott, Ph. D., *Head of Sta. Dept.*
†C. F. Ahmann, Ph. D., *Physiol. in Home Econ. Research.*
†L. W. Gaddum, Ph. D., *Biochem. in Home Econ. Research.*
‡Mary A. Stennis, M. A., *Dairy and Nutr. Specialist.*
‡Isabelle S. Thursby, B. S., *Food and Mktg. Agt.*

**Horticulture and Botany:**
*W. L. Floyd, M. S., *Prof. Hort. and Asst. Dean Coll. of Agr.*
†A. F. Camp, Ph. D., *Head of Sta. Dept.* (*Coop. U. S. D. A.*).
*C. E. Abbott, M. S., *Asst. Prof. Hort.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

**Horticulture and Botany**—Continued.
†G. H. Blackmon, M. S., *Pecan Culturist.*
*A. B. Burritt, A. B., M. L. A., *Assoc. Prof. Landsc. Design.*
*W. R. Carroll, M. S., *Asst. Prof. Bot. and Bact.*
*M. D. Cody, M. A., *Prof. Bot. and Bact.*
†M. R. Ensign, M. S., *Asst. Hort.*
*E. L. Lord, M. S., *Prof. Hort.*
†Harold Mowry, B. S., *Asst. Hort.*
†A. L. Stahl, Ph. D., *Asst. Hort.*
†C. B. Van Cleef, M. S., *Greenhouse Foreman.*
*J. V. Watkins, B. S., *Asst. Hort.*

**Plant Pathology:**
†W. B. Tisdale, Ph. D., *Head of Sta. Dept.*
*John Gray,[1] M. S., *Prof. Plant Path. and Econ. Ent.*
†A. N. Brooks, Ph. D., *Assoc. Plant Path.* (*Strawberry Invest.: P. O., Plant City*).
‡E. F. DeBusk, B. S., *Ext. Citrus Path.-Ent.*
*R. D. Dickey, B. S., *Actg. Prof. Plant Path. and Econ. Ent.*
†A. H. Eddins, Ph. D., *Asst. Plant Path.*
†L. O. Gratz, Ph. D., *Assoc. Plant Path.* (*Potato Invest.: P. O., Hastings*).
†Stacy Hawkins, A. B., *Field Asst. in Plant Path.* (*P. O., Homestead*).
†D. G. A. Kelbert, *Field Asst. in Plant Path.* (*P. O., Bradenton*).
†W. A. Kuntz, A. M., *Asst. Plant Path.* (*Coop. U. S. D. A.: P. O., Lake Alfred*).
†K. W. Loucks, M. S., *Asst. Plant Path.*
†R. E. Nolen, M. S., *Field Asst. in Plant Path.* (*Pecan Invest.; P. O., Monticello*).

**Plant Pathology**—Continued.
†A. S. Rhoads, Ph. D., *Assoc. Plant Path.* (*P. O., Cocoa*).
†W. B. Shippy, Ph. D., *Asst. Plant Path.*
†G. F. Weber, Ph. D., *Assoc. Plant Path.*
†Erdman West, B. S., *Mycol.*

**Plant Physiology:**
†W. A. Carver, Ph. D., *Asst. Cotton Specialist.*
†R. M. Crown, B. S., *Field Asst. in Cotton Invest.*
†M. N. Walker, Ph. D., *Asst. Cotton Specialist.*

**Veterinary Science**—See **Animal Husbandry.**

**Miscellaneous:**
†Mrs. Ida K. Cresap, *Libr.*
*†‡K. H. Graham, *Business Mgr.*
*A. W. Leland, *Farm Foreman.*
*Henry Zeigler, *Farm Foreman.*

**Substations:**
Citrus Expt. Sta., *P. O., Lake Alfred*—
J. H. Jefferies, *Supt.*
B. R. Fudge, Ph. D., *Asst. Chem.*
W. L. Thompson, B. S., *Asst. Ent.*
Everglades Expt. Sta., *P. O., Belle Glade*—
R. V. Allison, Ph. D., *in charge and Soils Specialist.*
E. R. Purvis, M. S., *Lab. Asst. in Soils.*
G. E. Tedder, *Foreman.*
Tobacco Expt. Sta., *P. O., Quincy*—
——— ——— ——— *Plant Path., in charge Tobacco Invest.*
R. R. Kincaid, M. A., *Asst. Plant Path.*
Jesse Reeves, *Foreman.*

## Florida Agricultural and Mechanical College for Negroes, *Tallahassee*

*Agricultural faculty. ‡Extension staff

*J. R. E. Lee, A. M., LL. D., *President.*
*B. L. Perry, *Dean Agr. Dept.*

*Jennie E. Baker, B. S., *Libr.*
*J. C. Baldwin, B. S., *Instr. Agron.*
*C. H. Chapman, *An. Husb. and Dairying.*
*Irma L. Coleman, *Instr. Dom. Sci.*
*Margaret Collins, B. S., *Actg. Dean Home Econ. Dept.*
*L. D. Leffall, B. S., *Instr. Voc. Agr.*
*Lula R. Long, R. N., *Supt. of Nurses.*
*Marie F. McMillan, B. S., *Instr. Plain Sewing.*
*L. A. Marshall, B. S., *Instr. Agr. Chem.*
‡Julia A. Miller, *State Dem. Agt. for Women.*
*Clementina B. Nelson, *Instr. Dom. Sci.*
*J. E. Sanford, *Poultry.*
‡A. A. Turner, *State Dem. Agt. for Men.*
*Ora Vann, *Handicrafts.*
*E. E. Ware, B. S., *Instr. Biol.*

# GEORGIA

## Georgia State College of Agriculture, University of Georgia, *Athens*

*College faculty. ‡Extension staff

*A. M. Soule, Sc. D., F. R. S. A., LL. D., D. Agr., *President.*
‡J. Phil Campbell, B. S., *Dir. of Ext. Div.*

**Agronomy:**
*‡J. R. Fain, Sc. D., *Prof. Agron.*
*G. A. Crabb, B. S., *Prof. Agron. in charge Soils.*
*R. R. Childs, M. S., *Prof. Agron. in charge Cotton Indus.* (*Coop. U. S. D. A.*).
*Paul Tabor, M. S., *Prof. Agron. in charge Farm Crops.*
*S. B. Adair, B. S., *Supvr. Fert. Invest.*

**Agronomy**—Continued.
‡E. D. Alexander, B. S., *Farm Crops Specialist in charge Corresp. Courses.*
‡W. A. Minor, B. S., *Farm. Mgt. Specialist.*
‡Kenneth Treanor, B. S., *Farm Mgt. Specialist.*
*P. O. Vanatter, *Supt. Field Expts.*
‡F. C. Ward, B. S., *Pure Seed Specialist.*
‡E. C. Westbrook, B. S., *Cotton and Tobacco Specialist.*

[1] On leave.

**Animal Husbandry:**

*‡M. P. Jarnagin, Sc. D., *Prof. An. Husb.*
*C. E. Kellogg, M. S., *Prof. An. Husb.*
*F. W. Bennett, B. S., *Assoc. Prof. An. Husb.*
‡F. W. Fitch, B. S., *Field Agt. in Dairy Husb.*
‡K. E. Litton, B. S., *Beef Cattle and Sheep Specialist.*
‡L. H. Marlatt, *Field Agt. in Dairy Husb.*
‡W. G. Owens, B. S., *Field Agt. in Swine Husb.*
*W. S. Rice, B. S., *Prof. An. Husb.*
*A. W. Simpson, jr., B. S., *Research in An. Husb.*

**Botany:**

*J. M. Reade, Ph. D., *Prof. Bot. and Dir. of Biol. Labs.*

**Chemistry:**

*L. M. Carter, B. S., *Prof. Agr. Chem.*
*‡M. W. Lowry, A. M., *Prof. Soil Chem. and Soil Specialist.*
*W. O. Collins, B. S., *Prof. Agr. Chem.*
*M. E. Brand, B. S., *Adjunct Prof. Soil Chem.*
*L. A. Forrest, B. S., *Research in Soil Chem.*
‡G. L. Fuller, B. S., *Soil Specialist in State Survey.*
*W. C. Huggins, B. S., *Adjunct Prof. Soil Chem.*
*C. N. Wilder, M. S., *Prof. Agr. Chem.*

**Economics (Agr.) and Marketing:**

*‡J. W. Firor, B. S., *Prof. Agr. Econ. and Mktg.*
‡J. L. Anderson, B. S., *Field Agt. in Mktg.*
‡L. E. Farmer, B. S., *Field Agt. in Mktg.*
*Archie Langley, B. S., *Research in Mktg.*
*R. M. Middleton, B. S., *Research in Mktg.*[1]

**Editorial and Publications:**

*‡R. M. Soule, B. S., *Editor.*
‡Laura E. Blackshear, *Illustrator.*
‡E. P. Soule, *Mgr. Radio Sta.*

**Education (Agr.):**

*J. T. Wheeler, M. S., *Prof. Rural Ed.*
*O. C. Aderhold, B. S., *Assoc. Prof. Rural Ed.*
*P. W. Chapman, B. S., *State Dir. Voc. Ed.*
*G. H. King, B. S., *Itinerant Teacher Trainer.*
*M. D. Mobley, B. S., *Asst. Supvr. Agr. Ed.*
*L. M. Sheffer, B. S., *State Supvr. Agr. Ed.*
*L. S. Watson, B. S., *Assoc. Prof. Rural Ed.*
*J. H. Wilson, B. S., *Assoc. Prof. Rural Ed., in charge Pract. School.*

**Engineering (Agr.):**

*‡S. P. Lyle, M. S., A. E., *Prof. Agr. Engin.*
*C. F. Gorman, B. S., A. E., *Adjunct Prof. Agr. Engin.*
‡O. E. Hughes, B. S., *Field Agt. in Agr. Engin.*
‡G. I. Johnson, B. S., A. E., *Field Agt. in Agr. Engin.*
*H. E. Lacy, B. S. A. E., *Research in Agr. Engin.*

**Extension (Admin.):**[2]

Director Campbell *in charge.*
‡J. G. Oliver, B. S., *State Supvr. County Agts. and Asst. Dir.*
‡Mrs. Leila R. Mize, B. S., *State Agt. Home Dem. Work.*

**Extension (Admin.)**—Continued.

‡Lurline Collier, B. S., *State Agt. Girls' Club Work.*
‡G. V. Cunningham, B. S., *State Supvr. Agr. Clubs.*
‡A. S. Bussey, B. S., *Asst. State Supvr. Agr. Clubs.*

**Forestry:**

——— ———, *Prof. For.*
‡DuPre Barrett, B. S. F., *Field Agt. in For.*
*B. F. Grant, B. S. F., *Adjunct Prof. For.*
‡Jack Thurmond, B. S. F., *For. Specialist.*
*K. S. Trowbridge, B. S. F., *Adjunct Prof. For.*

**Home Economics:**

*‡Mary E. Creswell, B. S., *Dir. of Home Econ.*
*Leah Ascham, Ph. D., *Research in Nutr.*[1]
*Susie Burson, B. S., *Assoc. Prof. Home Econ.*
*Matilda Callaway, M. S., *Assoc. Prof. Textiles and Clothing.*
*Epsie Campbell, B. S., *State Supvr. Voc. Home Econ.*
*Norah M. Clancey, B. S., *Assoc. Prof. Home Econ. in charge Nursery School.*
*Edith V. Creswell, B. S., *Assoc. Prof. Home Mgt.*
‡Willie V. Dowdy, B. S., *Home Improvement Specialist.*
*Bennie M. Gartrell, B. S., *Research in Home Mgt.*
*Edith Hanson, B. S., *Teacher in Pract. School and Adjunct Prof. Home Econ.*
*Mrs. Virginia Harrold, A. M., *Adjunct Prof. Home Econ.*
*Mildred Ledford, B. S., *Adjunct Prof. Fine and Applied Arts.*
*Martha I. McAlpine, A. B., *Child Study Specialist.*
‡Frances A. McLanahan, B. S., *Clothing Specialist.*
‡Susan J. Mathews, B. S., *Food and Nutr. Specialist.*
*Katherine S. Michael, A. M., *Child Psychologist.*
*Dora Mollenhoff, B. S., *Asst. Supvr. Voc. Home Econ.*
*Catherine Newton, M. S., *Assoc. Prof. Foods and Nutr.*[1]
‡Certie Reynolds, M. A., *Specialist in Nutr. and Child Development.*
*Mary Rosenblatt, B. Design, *Adjunct Prof. Fine and Applied Arts.*
*Rhea C. Scott, B. S., *Assoc. Prof. Institutional Mgt., in charge of Cafeteria.*

**Horticulture:**

*‡T. H. McHatton, M. Hort., Sc. D., *Prof. Hort.*
‡G. H. Firor, B. S., *Field Agt. in Hort.*
‡H. W. Harvey, B. S., *Landsc. Gard. Specialist.*
*T. J. Harrold, B. S., *Research in Hort.*
*R. L. Keener, B. S., *Assoc. Prof. Hort.*
‡H. M. McKay, M. S., *Field Agt. in Hort.*
‡J. C. Morcock, B. S., *Field Agt. in Veg. Gard.*
*H. B. Owens, B. S., *Adjunct Prof. Landsc. Arch.*
*F. M. Thompson, jr., B. S., *Research in Hort.*

[1] In cooperation with the Georgia experiment station.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

**Poultry Husbandry:**
*‡J. H. Wood, B. S., *Prof. Poultry Husb.*
*J. C. Bell, B. S., *Research in Poultry Husb.*
‡W. P. Clarke, B. S., *Field Agt. in Poultry Husb.*
*F. E. Mitchell, B. S., *Supt. Egg-Laying Contest.*
*J. S. Moore, B. S., *Adjunct Prof. Poultry Husb.*
‡R. J. Richardson, B. S., *Field Agt. in Poultry Husb.*

**Veterinary Medicine:**
*‡A. G. G. Richardson, V. M. D., *Prof. Vet. Med.*

**Veterinary Medicine**—Continued.
*W. C. Burkhart, D. V. M., *Prof. Vet. Med.*
*R. W. Jones, D. V. M., *Assoc. Prof. Vet. Med.*
*W. F. McLendon, D. V. M., *Assoc. Prof. Vet. Med.*
*A. J. Osteen, D. V. M., *Instr. Vet. Med.*
*H. V. Persells, D. V. M., *Assoc. Prof. Vet. Med.*
*R. C. Wilson, Ph. G., *Prof. Pharm. and Materia Medica.*

**Miscellaneous:**
*Nelle M. Reese, *Libr.*

## Georgia Experiment Station, *Experiment (telegraph and express address, Griffin)*

†Station staff

†H. P. Stuckey, B. S., *Director. Hort.*

**Agronomy:**
†R. P. Bledsoe, M. S., *Agron.*
†H. K. Brabham, B. S., *Asst. Agron.*
†W. T. Fullilove, B. S., *Cotton Mktg. Invest.*
†S. J. Hadden, *Asst. Agron.*
†G. A. Hale, M. A., *Cotton Fiber Specialist.*
†L. H. Jones, *Asst. Agron.*

**Animal Husbandry:**
†F. R. Edwards, M. S., *An. Husb.*
†B. M. Jackson, *Asst. An. Husb.*
†Z. A. Massey, B. S., *Asst. An. Husb.*

**Botany:**
†B. B. Higgins, Ph. D., *Bot. and Plant Path.*
†Frank Van Haltern, M. S., *Assoc. Bot.*
†Mrs. Naomi C. Woodroof, M. S., *Asst. Bot. and Plant Path.*

**Chemistry:**
†W. L. Brown, B. S., *Asst. Chem.*
†K. T. Holley, B. S., *Actg. Chem.*

**Editorial:**
†C. A. Whittle, A. B., *Editor.*

**Entomology:**
†T. L. Bissell, B. S., *Asst. Ent. (Pecan Insect Invest.: Coop. U. S. D. A.).*

**Home Economics:**
†Leah Ascham,[1] Ph. D., *Nutr. Specialist.*
†Catherine Newton,[1] M. S., *Nutr. Specialist.*

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†J. G. Woodroof, M. S., *Assoc. Hort.*
†J. E. Bailey, B. S., *Asst. Hort.*
†R. M. Middleton,[1] B. S., *Peach Mktg. Invest.*

**Miscellaneous:**
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†Lucile Ethridge, *Computist.*

## Georgia Coastal Plain Experiment Station, *Tifton*

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†Fred Bell, *Farm Supt.*
†J. M. Carr, B. S., *Tobacco Specialist (Coop. U. S. D. A.).*
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†W. J. Davis, B. S., *Agron.*
†Jessie L. Reynolds, *Libr. and Secy.*
†J. L. Stephens, B. S., *Forage Crop Specialist (Coop. U. S. D. A.).*
†J. C. Walters, *Asst. Agron. (Coop. U. S. D. A.).*
†Otis Woodard, B. S., *Hort.*

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*T. N. Roberts, *Teacher Trainer in Agr.*
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*Robert Thomas, *Farm Supt.*
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*Mrs. W. P. White, *Instr. Sewing.*

[1] In cooperation with the Georgia State College of Agriculture.

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†Joaquin Guerrero, *Asst. in Hort. and Agron.*
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## HAWAII

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‡F. G. Krauss, D. Sc., *Dir. of Ext. Service.*

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*O. W. Barrett, B. S., *Prof. Hort.*
*†C. M. Bice, B. S., *Instr. and Poultry Husb.*
‡H. L. Chung, M. S., *Ext. An. Husb.*
*†Mitsugi Maneki, B. S., *Asst. in An. Husb.*
†M. Takahashi, B. S., *Asst. in Agr.*

**Botany:**
*Harold St. John, Ph. D., *Prof. Bot.*
*R. S. Bean, B. S., *Asst. Prof. Bot.*
*Constance Priest, B. S., *Asst. in Bot.*

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*Richard Wrenshall, Ph. D., *Assoc. Prof. Chem.*
*E. M. Bilger, Ph. D., *Asst. Prof. Chem.*
*Giichi Fujimoto, M. S., *Instr. Chem.*
†Elizabeth V. Harrold, B. S., *Asst. Chem. in Avocado Invests.*
*W. R. McAllep, *Lect. on Sugar Mfg.*

**Education (Agr.):**
*F. E. Armstrong, M. S., *Prof. Agr. Ed.*

**Engineering (Agr.):**
*†H. A. Wadsworth, M. S., *Assoc. Prof. Irrig. Pract.*

**Entomology:**
*M. K. Riley, M. S., *Instr. Ent.*

**Extension (Admin.):**[1]
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**Home Economics:**
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†Wai S. Chun, M. A., *Research Asst. in Home Econ.*
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*Frances Lawrence, *Instr. Child Development.*
*Mrs. Lillian E. Smith, *Asst. in Textiles.*

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**Sugar Technology**—*See* **Chemistry.**

**Zoology:**
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**Miscellaneous:**
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**Substations:**
Waiakea Farm, *P. O., Hilo*—Robert Pahau, B. S., *Supt.*

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†John Castro, *Plant Propagator.*
†W. T. Pope, D. Sc., *Hort.*
†Charles Richter, B. S., *Asst. Chem.*
†J. C. Ripperton, M. S., *Chem.*
†H. F. Willey, *Supt. Dem. Farm (P. O., Makawao).*

[1]For subject-matter workers see the respective division; i. e., agriculture, botany, etc.

### Experiment Station of the Association of Hawaiian Pineapple Canners [1]

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B. Farden, *Asst. in Nematology.*
C. A. Farden, B. S., *Asst. Chem.*
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J. F. Illingworth, Ph. D., *Ent.*
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Willnorman King, B. S., *Agr.*
Beatrice H. Krauss, B. S., *Asst. Physiol.*
G. Lindsey, *Asst. in Chem.*
M. B. Linford, Ph. D., *Path.*
Majorie W. Lorimer, M. A., *Asst. Path.*
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Helene T. Morita, M. S., *Asst. Nematologist.*
Juliette Oliveira, B. A., *Asst. Nematologist.*
G. E. Paxton, M. S., *Asst. Path.*
C. P. Sideris, Ph. D., *Physiol.*
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### Experiment Station, Hawaiian Sugar Planters' Association, *Honolulu*

†Station staff

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†Arthur Ayres, *Asst. Chem.*
†C. C. Barnum, B. S., *Asst. Plant Path.*
†Martin Black, *Asst. Agr.*
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†H. W. Brodie, *Asst. in For.*
†L. W. Bryan, B. S., *For. Supvr. (Hilo Project).*
†Royden Bryan, *Asst. Agr.*
†C. W. Carpenter, *Asst. Plant Path.*
†G. H. Cassidy, *Asst. Nematologist.*
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†W. L. McCleery, *Asst. Sugar Tech.*
†G. A. McEldowney, *For. Supvr. (Oahu Project).*
†R. C. McLennan, *Asst. Agr.*
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†Roy Overstreet, *Asst. Chem.*
†C. E. Pemberton, *Asst. Ent.*
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†Colin Potter, *Asst. in For.*
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†William Sa Ning, *Asst. Agr.*
†H. R. Shaw, *Asst. Agr.*
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†Twigg Smith, *Illustrator.*
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†G. R. Stewart, B. S., *Chem.*
†O. H. Swezey, M. S., *Ent.*
†S. Takakawa, *Asst. Agr.*
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*†C. W. Hungerford, Ph. D., *Asst. Dean and Vice Dir. of Sta.*

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†‡Jessie C. Ayres, A. B., *State Seed Analyst (P. O., Boise).*
†L. F. Burkhart, *Field Supt.*
*†‡G. R. McDole, M. A., *Assoc. Prof. Agron.; Soil Tech.*

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*†C. A. Michels, M. S., *Asst. Prof. and Asst. Agron.*
†‡J. D. Remsberg, jr., M. S., *State Seed Comr. and Field Agron. (P. O., Boise).*
‡H. L. Spence, jr., B. S., *Asst. Field Agron. (P. O., Boise).*

[1] Under the management of the University of Hawaii.

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*†C. W. Hickman, M. S., *Prof. An. Husb.; An. Husb.*
*†C. E. Lampman, B. S., *Prof. Poultry Husb.; Poultry Husb.*
†R. F. Johnson, B. S., *Asst. in Feeding Invest.*
‡J. T. Montgomery, B. S., *Asst. An. Husb.*
*†F. E. Moore, B. S., *Asst. Poultry Husb.*
‡Pren Moore, *Poultry Specialist (P. O., Boise).*
*†J. E. Nordby, M. S., *Assoc. Prof. and Asst. An. Husb.*
††E. F. Rinehart, B. S., *Assoc. and Field An. Husb. (P. O., Boise).*

**Bacteriology:**
*†W. V. Halversen, Ph. D., *Prof. Bact.; Bact.*
*†V. A. Cherrington, B. S., *Instr. and Asst. in Bact.*
†G. S. Schilling, M. S., *Asst. Bact. (An. Path.).*

**Botany:**
*F. W. Gail, Ph. D., *Prof. Bot.*
*R. A. Diettert, M. S., *Asst. Prof. Bot.*
*Herma G. Albertson, M. S., *Instr. Bot.*

**Chemistry:**
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†D. W. Bolin, B. S., *Analyst.*
*L. C. Cady, M. S., *Asst. Prof. Chem.*
*W. H. Cone, M. S., *Asst. Prof. Chem.*
*D. D. DuSault, M. S., *Asst. Prof. Chem.*
*J. A. Kostalek, Ph. D., *Prof. Org. Chem.*
†H. P. Magnuson, M. S., *Actg. Chem.*
*A. W. Martin, M. S., Ch. E., *Instr. Chem.*
*†R. S. Snyder, M. S., *Assoc. Prof. Agr. Chem.; Assoc. Chem.*
*C. L. von Ende, Ph. D., *Prof. Chem.*

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‡D. L. Fourt, B. S., *Field Dairyman (P. O., Boise).*
*†H. C. Hansen, M. S., *Instr. and Asst. Dairy Husb.*
*††D. R. Theophilus, M. S., *Assoc. Prof. Dairy Mfrs.; Asst. Dairy Husb.*

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*†T. L. Gaston, jr., M. S., *Instr. and Asst. Agr. Econ.*
†C. O. Youngstrom, B. S., *Asst. Agr. Econ.*

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††O. A. Fitzgerald, B. A., *Dir. of Publicity and Agr. Editor.*

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*B. L. Brigham, M. S., *Supvr. Pract. Teaching in Agr.*

**Engineering (Agr.):**
*†Hobart Beresford, B. S. A. E., *Prof. Agr. Engin.; Agr. Engin.*
*†E. N. Humphrey, *Asst. in Agr. Engin.*
*†E. H. Neal, B. S., *Instr. Agr. Engin.; Asst. in Irrig.*

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*††J. A. Scholten, B. S. A. E., *Instr. and Asst. Agr. Engin.*

**Entomology:**
*††Claude Wakeland, M. S., *Prof. Ent.; Ent.*
†R. W. Haegele, B. S., *Asst. Ent. (P. O., Parma).*
‡T. B. Murray, *Rodent Control Leader (P. O., Boise).*
*‡W. E. Shull, M. S., *Asst. Prof. Ent.*

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†Ella Woods, Ph. D., *Home Econ.*
‡Marjorie Eastman, A. M., *Clothing Specialist (P. O., Boise).*
*Ida Ingalls, M. A., *Asst. Prof. Home Econ.*
*Elizabeth B. Johnson, B. S., *Asst. Prof. Art and Design.*
*Adah Lewis, M. S., *Assoc. Prof. Home Econ.*
*Jessie B. Thornber, B. S., *Supvr. Pract. Teaching in Home Econ.*

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*†T. R. Ashlee, *Florist.*
‡E. R. Bennett, M. H., *Field Hort. (P. O., Boise).*
*†E. C. Blodgett, B. S., *Instr. and Asst Hort.*
*†Lief Verner, M. S., *Asst. Prof. and Asst. Hort.*

**Plant Pathology:**
*†C. W. Hungerford, Ph. D., *Prof. Plant Path.; Plant Path.*
†Wayne Bever, *Junior Plant Path. (Coop. U. S. D. A.).*
†W. H. Pierce, M. S., *Asst. Plant Path.*
†J. M. Raeder, M. S., *Assoc. Plant Path. (Coop. U. S. D. A.).*

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*†E. M. Gildow, D. V. M., M. S., *Assoc. Prof. Vet. Sci.; Vet.*

**Zoology:**
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*H. T. Warren, Ph. D., *Asst. Prof. Zool.*

**Miscellaneous:**
*††Olive Newman, *Secy.*
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**Substations:**
Aberdeen—A. E. McClymonds, B. S., *Supt.*
Caldwell—D. A. Stubblefield, *Supt.*
Felt (High Altitude)—W. A. Moss, B. S., *Supt.*
Sandpoint—J. H. Christ, M. S., *Supt.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.
[2] Given in College of Letters and Science.

## ILLINOIS

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*†‡H. W. Mumford, B. S., D. Agr., *Dean Coll. of Agr., Dir. of Sta., Dir. of Agr. Ext. Service. Prof. An. Husb.*
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**Agronomy:**

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†J. C. Anderson, B. S., *First Asst. in Soil Fert.*
†C. J. Badger, B. S., *Assoc. in Soil Expt. Fields.*
†‡F. C. Bauer, Ph. D., *Prof. Soils Ext., Chief in Soil Expt. Fields.*
*†O. T. Bonnett, M. S., *Asst. in Plant Brdg.*
†R. H. Bray, M. S., *Assoc. in Soil Survey Anal.*
*†F. H. Crane, M. S., *Assoc. in Soil Fert.*
*†E. E. De Turk, Ph. D., *Prof. and Chief in Soil Tech., in charge Soil Anal. of Soil Survey.*
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†F. E. Schlots, B. S., *Asst. in Soil Expt. Fields.*
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†L. H. Smith, Ph. D., *Chief in charge Pubs. of Soil Survey.*
*†R. S. Smith, Ph. D., *Prof. and Chief in Soil Phys., in charge Identification and Mapping of Soil Types.*
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**Agronomy**—Continued.

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**Animal Husbandry:**

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*†Sleeter Bull, M. S., *Assoc. Prof. and Assoc. Chief in Meats.*
*†L. E. Card, Ph. D., *Prof. and Chief in Poultry Husb.*
*†W. E. Carroll, Ph. D., *Prof. and Chief in Swine Husb.*
*†C. W. Crawford, B. S., *Assoc. in An. Husb.*
*†J. L. Edmonds, B. S., *Prof. and Chief in Horse Husb.*
†J. B. Favara, D. V. M., *Asst. in An. Husb.*
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*†R. L. Hectorne, D. V. M., *Instr. and First Asst. in An. Path.*
*†G. E. Hunt, M. S., *Asst. in Swine Husb.*
†W. A. James, D. V. M., *Asst. in An. Husb.*
†G. L. Jordan, B. S., *Asst. in Poultry Husb.*
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[1] On leave.

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*†H. J. Sloan, Ph. D., *Instr. and First Asst. in Poultry Husb.*
*†R. R. Snapp, M. S., *Assoc. Prof. and Assoc. Chief in Beef Cattle Husb.*
*†L. C. Thomas, M. S., *Asst. in An. Genetics.*
†Frank Thorp, jr., M. S., D. V. M., *Asst. in An. Path.*
*†W. B. Young, B. S., *Asst. in Beef Cattle Husb.*

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*†J. M. Brannon, Ph. D., *Asst. Prof. and Asst. Chief in Dairy Bact.*
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‡Mrs. Edith P. Barker, *Asst. State Club Leader.*
‡Grant Chapman, *Supt. of Tours.*
‡Florence Forbes, *Agt. in Club Work.*
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‡H. L. Kooser, *Ext. Asst. in Visual Instruction.*
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[2] For subject-matter workers see the respective division; i. e., animal husbandry, bacteriology, etc.

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[1]For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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[1]For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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*H. L. Ayres, *Specialist in Dairy Mfg.*
‡H. C. Barker, B. S., *Dairy Specialist.*
‡K. A. Clark, M. S., *An. Husb. Specialist.*
‡J. A. Conover, B. S., *Dairy Specialist.*
*†W. E. Hunt, M. S., *Asst. Prof. and Asst. An. Husb.*
*†L. W. Ingham, M. S., *Asst. Prof. and Asst. in Dairy Prod.*
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*J. J. Wetherald, *Asst. in Dairy Mfg.*

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**Botany:**
——— ———, *Prof. Bot.; Bot. and Plant Propagation.*
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‡G. L. Farley, M. S., *State Club Leader.*
‡E. S. Carpenter, M. S., *Secy.*
‡Helen E. Doane, *Asst. State Club Leader.*
‡Marion E. Forbes, *Asst. State Leader of County Club Agts.*
‡H. A. Leland, B. S., *Asst. State Club Leader.*
‡E. H. Nodine, B. S., *in charge Poultry Club Work.*

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal and dairy husbandry, etc.

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*B. D. Drain, S. M., *Asst. Prof. Pomol.*
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*C. O. Gates, B. S., *Asst. Prof. Landsc. Gard.*
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**Miscellaneous:**
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**Substations:**
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J. L. Kelley, *Tech. Asst. in Cranberry Studies.*
Market Garden Field Sta., *P. O., Waltham*—
R. M. Koon, M. S., *in charge.*
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## MICHIGAN

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*Vetta Goldstein, *Instr. Drawing and Design.*
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‡Mary A. Gordon, *Agt. in Mktg.*
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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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**Poultry Husbandry:**
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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†Matilda Marshall, *Specialist in Farm Cost Studies.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.

[2] Courses given in College of Liberal Arts.

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[1] For subject-matter workers see the respective division; i. e., animal husbandry, bacteriology, etc.
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*C. S. Platt, M. S., *Assoc. Prof. Poultry Husb.*
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†J. W. Goodman, B. S., *Asst. in charge Egg-Laying Contests.*
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†C. S. Platt, M. S., *Asst. Poultry Husb.*
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†Willis Sutter, *Foreman, Egg-Laying Contest (P. O., Vineland).*

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†A. W. Blair, A. M., *Soil Chem.*
†Donald Campbell, *Field Asst.*
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†Sante Mattson, Ph. D., *Assoc. Soil Chem.*
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**Zoology:**

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**Miscellaneous:**

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**Substations:**

Cranberry Sta., *P. O. Pemberton*—
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## NEW MEXICO

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‡W. L. Black, D. V. M., *Ext. Husb.*
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†K. P. Pickrell, B. S., *Field Invest. in An. Husb. and Agr. Econ.* (*Coop. U. S. D. A. and Ariz. Sta.*).
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**Biology:**
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**Chemistry:**
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†P. W. Cockerill, M. S., *Asst. Agr. Econ.*

**Editorial:**
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‡Mrs. Ivy G. Yoast, *Editor and Secy.*

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[2] On leave.
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## NEW YORK

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[1] All members of the college faculty do experimental work as required, retaining their academic titles.

**Economics (Agr.)**—Continued.
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**Editorial**—*See* **Publication.**

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*T. H. Eaton, Ph. D., *Prof. Rural Ed.*
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*E. L. Palmer, Ph. D., *Prof. Rural Ed.*
*R. M. Stewart, Ph. D., *Prof. Rural Ed.*
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‡B. A. Jennings, B. S., *Ext. Asst. Prof. Rural Engin.*
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‡C. R. Crosby, A. B., *Ext. Prof. Ent.*
*†G. C. Embody, Ph. D., *Prof. Aquiculture.*
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**Entomology**—Continued.
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‡C. A. Taylor, B. S., *Specialist in Ext. Service.*
*‡R. H. Wheeler, B. S., *Prof. in Ext. Service.*
‡W. J. Wright, M. S., *Prof. in Ext. Service and State Leader Junior Ext.*

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‡J. E. Davis, M. F., *Ext. Instr. For.*
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*Mrs. Myrtle S. Betten, *Instr. Home Econ*
*Beulah Blackmore, B. S., *Prof. Home Econ. and Head Dept. of Textiles and Clothing.*
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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

**Home Economics**—Continued.

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**Home Economics**—Continued.

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‡C. D. Chupp, Ph. D., *Ext. Prof. Plant Path.*
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*Frank Dickson, B. A., *Instr. Plant Path.*
‡K. H. Fernow, Ph. D., *Ext. Asst. Prof. Plant Path.*
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**Poultry Husbandry:**
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**Poultry Husbandry**—Continued.
*D. R. Marble, M. S., *Instr. Poultry Husb.*
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**Publication:**
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†J. D. Luckett, M. S. *Editor.*

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†F. L. Gambrell, M. S., *Asst. in Research (Ent.).*
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[1] On leave.

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†G. E. R. Hervey, Ph. D., *Assoc. in Research (Ent.).*
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†G. P. Van Eseltine, *Assoc. in Research (Hort.).*

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*W. H. Darst, M. S., *Prof. Agron.*
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†W. A. Davis, B. S., *Asst. in Soil Survey.*
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‡A. T. Holman, B. S., *Farm Engin. Specialist.*
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‡S. J. Kirby, M. S., *Agron. Specialist.*
†H. B. Mann, Ph. D., *Assoc. in Soil Invest.*
‡G. K. Middleton, M. S., *Pure Seed Specialist.*
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‡J. A. Arey, B. S., *Dairy Specialist.*

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*‡W. L. Clevenger, B. S., *Prof. Dairy Mfg.*
‡F. R. Farnham, *Asst. Dairy Specialist.*
†J. E. Foster, M. S., *Asst. in Beef Cattle and Sheep Invest.*
†C. D. Grinnells, D. V. M., M. S., *Dairy Invest.*
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‡W. V. Hays, *Asst. Swine Specialist.*
*†E. H. Hostetler, M. S., M. Agr., *Prof. An. Husb.; in charge Beef Cattle, Sheep, and Swine Invest.*
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†L. D. Parham, *Swine Herdsman.*
‡W. W. Shay, *Swine Husb. Specialist.*
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†F. H. Smith, B. S., *Asst. in An. Nutr.*

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*†S. G. Lehman, Ph., D., *Prof. Plant Path.; Plant Path.*
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†R. F. Poole, Ph., D., *Plant Path.*
*I. V. D. Shunk, Ph. D., *Assoc. Prof. Bot.*
*L. A. Whitford, M. S., *Instr. Bot.*

[1] On leave.
[2] Under jurisdiction of the commissioner of agriculture (*post office, Raleigh*), cooperating with the station in research.

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*H. L. Caveness, A. M., *Asst. Prof. Chem.*
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*A. D. Jones, M. A., *Instr. Chem.*
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*L. F. Williams, Ph. D., *Prof. Org. Chem.*

**Economics (Agr.):**
*†G. W. Forster, Ph. D., *Head of Dept. Prof. Agr. Econ. and Farm Mgt.*
†B. A. Buff, B. S., *Asst. in Farm Mgt. and Organ.*
*†J. G. Knapp, Ph. D., *Prof. Farm Mktg.; Assoc. Agr. Econ.*
†R. H. Rogers, M. S., *Assoc. Agr. Econ. in Farm Mgt. and Organ. Research.*
*†H. H. Wooten, M. S., *Asst. Agr. Econ.*

**Editorial:**
††F. H. Jeter, B. S., *Agr. Editor.*
‡A. O. Alford, *Asst. Editor.*

**Education (Agr.):** [1]
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*L. O. Armstrong, B. S., *Assoc. Prof. Ed.*
*E. W. Boshart, M. A., *Prof. Ed.*
*L. E. Cook, M. S., *Prof. Ed.*
*W. L. Mayer, M. S., *Assoc. Prof. Ed.*
*M. F. Showalter, M. A., *Assoc. Prof. Ed.*

**Entomology**—*See* **Zoology.**

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‡Mrs. Jane S. McKimmon, M. S., *Asst. Dir. and State Home Dem. Agt.*
‡L. R. Harrill, M. S., *State Agt. in Club Work.*
‡C. R. Hudson, M. S., *State Agt. in charge Negro Work.*
‡Elizabeth Cornelius, *Asst. State Agt. in Girls' Club Work.*

**Forestry:**
*J. V. Hofmann, Ph. D., *Head of Dept.*
‡R. W. Graeber, B. S., *For. Specialist.*
*R. W. Hayes, B. S., M. F., *Prof. For.*

**Home Economics:**
‡Helen N. Estabrook, B. S., *Household Furnishing Specialist.*
‡Willie N. Hunter, M. A., *Clothing Specialist.*
‡Mary E. Thomas, B. S., *Nutr. Specialist.*
†Myra deH. Woodruff, M. A., *Assoc. in Home Econ. Research.*

**Horticulture:**
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†M. E. Gardner, M. S., *Pomol.*
‡E. B. Morrow, M. S., *Hort. Specialist.*
‡H. R. Niswonger, M. A., *Hort. Specialist.*
*J. P. Pillsbury, B. S., *Prof. Hort.*
*G. O. Randall, M. S., *Asst. Prof. Hort.*
†Robert Schmidt, B. S., *Assoc. Hort.*
†C. F. Williams, M. S., *Assoc. Hort.*

**Physics:**
*C. M. Heck, A. M., *Head of Dept.*
*J. B. Derieux, Ph. D., *Prof. Phys.*
*A. A. Dixon, A. M., *Assoc. Prof. Phys.*
*L. W. Gardner, M. A., *Asst. Prof. Phys.*
*J. S. Meares, M. S., *Asst. Prof. Phys.*

**Poultry Husbandry:**
*†B. F. Kaupp, M. S., D. V. M., *Head of Dept. and Avian Path.*
*W. F. Armstrong, M. S., *Assoc. Prof. Poultry Husb.*
*†R. S. Dearstyne, M. S., *Prof. and Assoc. in Poultry Invest. and Path.*
‡C. F. Parrish, B. S., *Poultry Specialist.*
‡P. A. Seese, B. S., *Asst. Poultry Specialist.*
*N. W. Williams, B. S., *Mgr. of Plant.*

**Sociology (Rural):**
*†C. C. Taylor, Ph. D., *Prof. Rural Organ.; Sociol. Dean of Grad. School.*
*†W. A. Anderson, Ph. D., *Prof. and Assoc. in Rural Sociol.*

**Zoology and Entomology:**
*†Z. P. Metcalf, D. Sc., *Head of Dept.*
‡C. H. Brannon, M. S., *Ent. Specialist.*
†B. B. Fulton, Ph. D., *Research Ent.*
†Elizabeth Haban, *Lab. Asst.*
*F. B. Meacham, M. S., *Asst. Prof. Zool.*
*T. B. Mitchell, D. Sc., *Asst. Prof. Zool. and Ent.*
‡C. L. Sams, *Beekeeping Specialist.*
*L. H. Snyder, Sc. D., *Assoc. Prof. Zool.*

**Miscellaneous:**
*Frank Capps, B. S., *Libr.*
†R. J. Harris, *Supt. of Farms.*
*Mrs. Charlotte M. Williamson, *Asst. Libr.*

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A. P. Lefevers, *Swine Herdsman.*
Coastal Plain Branch Sta., *P. O., Willard*—
Charles Dearing, B. S., *Asst. Dir.* (*Coop. U. S. D. A.*).
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C. O. Bollinger, *Poultryman.*
D. P. Southerland, *Foreman.*
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C. E. Keith, *Poultryman.*
W. M. Whisenhunt, *Foreman.*
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Tobacco Branch Sta., *P. O. Oxford*—
E. G. Moss, *Asst. Dir.* (*Coop. U. S. D. A.*).
James Bullock, *Asst. Tobacco Specialist.*
A. B. Dean, *Foreman.*
Upper Coastal Plain Branch Sta., *P. O., Rocky Mount*—
R. E. Currin, jr., *Asst. Dir.*
S. G. Singletary, *Herdsman.*

[1] Courses given in School of Education.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
[3] Under the State department of agriculture and agricultural experiment station.

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## NORTH DAKOTA

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‡C. F. Monroe, M. Agr., *Dir. of Agr. Ext.*

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†R. J. Montgomery, *Field Asst. in Agron.*
†P. J. Olson, M. S., *Asst. Agron.*
†Thomas Sanderson, *Miller.*
†H. S. Stefanson, B. S., *Asst. in Agron. (Plant Brdg.).*
†T. E. Stoa, M. S., *Asst. Agron. (Cereals).*
†L. R. Waldron, Ph. D., *Agron. (Plant Brdg.).*

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†J. H. Shepperd, M. S., D. Agr., *Chair. of Dept.*
*†G. J. Baker, M. S., *Prof. An. Husb. (Horses); Asst. Chair.*
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*†F. W. Christensen, M. S., *Prof. An. Nutr.; An. Nutr.*
‡S. G. Denner, M. S., *Ext. An. Husb.*
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*†D. J. Griswold, jr., A. M., *Asst. Prof. and An. Husb. (Sheep).*
*†A. S. Severson, M. S., *Asst. Prof. and An. Husb. (Hogs).*
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**Botany and Bacteriology**—Continued.
*†G. A. Lindsey, Ph. D., *Asst. Prof. and Asst. Bact.*
†G. C. Mayoue, M. S., *in charge Barberry Erad. (Coop. U. S. D. A.).*
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[1] On leave.

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*†T. W. Johnson, M. S., *Instr. Journalism; Asst. Agr. Editor.*

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*L. L. Scranton, M. S., *Asst. Prof. Agr. Ed.*
*T. W. Thordarson, M. S., *Dir. Correspondence Courses and Coll. Ext. Classes.*

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‡C. L. Hamilton, M. S., *Ext. Agr. Engin.*
*†H. F. McColly, M. S., *Instr. and Research Asst. in Agr. Engin.*

**Entomology:**
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*†Hazel Riddle, B. S., *Lab. Asst.*

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‡Grace DeLong, B. A., *State Home Dem. Leader.*
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‡R. C. Dynes, B. S., *Asst. County Agt. Leader.*
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*Helen C. Finlayson, A. B., *State Supvr. Voc. Home Econ.*
*Dorothy L. Hatch, B. S., *Assoc. Prof. Art and Design.*
*Lucille Horton, M. A., *Assoc. Prof. Home Econ. Ed.*
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†J. S. Shoemaker, Ph. D., *Assoc. Hort.*
†W. W. Wiggin, M. S., *Asst. Hort.*

**Miscellaneous:**
†W. H. Alexander, *Climat.* (*Coop. U. S. D. A.: P. O., Columbus*).
†W. H. Kramer, *Burser.*
†Elsie Hart, A. B., *Libr.*

**Substations:**
M. A. Bachtell, B. S., *in charge.*
Northeastern Expt. Farm, *P. O., Strongsville*—J. T. Wilson, *Supt.*

**Substations**—Continued.
Northwestern Expt. Farm, *P. O., Holgate*—C. E. Dike, B. S., *in charge.*
Southeastern Expt. Farm, *P. O., Carpenter*—S. C. Hartman, M. S., *Supt.*
Southwestern Expt. Farm, *P. O., Germantown*—H. M. Wachter, *Supt.*
Belmont County Expt. Farm, *P. O., St. Clairsville*—Walter Mahan, *Supt.*
Clermont County Expt. Farm, *P. O., Owensville*—W. E. Weaver, *Supt.*
Hamilton County Expt. Farm, *P. O., Mt. Healthy*—W. E. Weaver, *Supt.*
Madison County Expt. Farm, *P. O., London*—H. W. Rogers, B. S., *Supt.*
Mahoning County Expt. Farm, *P. O., Canfield*—L. W. Sherman, *Supt.*
Miami County Expt. Farm, *P. O., Troy*—H. W. Rogers, B. S., *Supt.*
Paulding County Expt. Farm, *Paulding*—H R. Hoyt, *Supt.* (*P. O., Wooster*).
Trumbull County Expt. Farm, *P. O., Cortland*—C. H. Crawford, M. S., *Supt.*
Washington County Expt. Farm, *P. O., Fleming*—S. C. Hartman, M. S., *Supt.*
Washington County Truck Farm, *P. O., Marietta*—O. N. Riley, *Foreman.*

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‡D. P. Trent, B. S., *Dir. of Ext.*

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‡P. G. Adams, B. S., *Livestock Specialist.*
*†F. J. Beard, M. S., *Assoc. Prof. and Assoc. An. Husb.* (*Horses*).
*†W. A. Craft,[1] M. S., *Assoc. Prof. and Assoc. An. Husb.* (*An. Brdg.*).
*†A. E. Darlow, M. S., *Assoc. Prof. and Assoc. An. Husb.* (*Sheep*).
*†L. E. Hawkins, M. S., *Asst. Prof. and Asst. An. Husb.*
*†C. P. Thompson, M. S., *Prof. An. Husb.; An. Husb.* (*Hogs*).

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*E. E. Harnden, B. S., D. V. M., *Assoc. Prof. Bact.*
*†L. H. Moe, D. V. M., *Asst. Prof. Bact. and Vet. Med.; Asst. Bact.*
*†H. W. Orr, D. V. M., *Prof. Bact. and Vet. Med.; Bact. and Vet.*

**Botany and Plant Pathology:**
*†F. M. Rolfs, Ph. D., *Prof. and Head of Dept.*
*H I. Featherly, M. S., *Asst. Prof. Bot. and Plant Path.*

[1] On leave.

**Botany and Plant Pathology**—Continued.
*C. P. Freeman, M. S., *Asst. Prof. Bot.*
*D. E. McHenry, M. A., *Asst. Prof. Bot.*
*O. C. Schultz, B. S., *Assoc. Prof. Bot. and Plant Path.*
*Robert Stratton,[1] M. A., *Assoc. Prof. Bot. and Plant Path.*

**Chemistry:**
*O. M. Smith, Ph. D., *Prof. and Head Dept. of Chem.*
*†V. G. Heller, Ph. D., *Prof. and Head Dept. of Agr. Chem. Research.*
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*Ruth M. Gerber, M. S., *Asst. Prof. Chem.*
*H. P. Howells, Ph. D., *Assoc. Prof. Chem.*
*C. L. Nickolls, M. S., *Assoc. Prof. Chem.*
†Ruth R. St. Julian, Ph. D., *Assoc. in Human Nutr. and Dietetics.*
*T. L. Schicfelbusch, B. S., *Asst. Prof. Chem.*
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‡L. H. Stinnett, B. S., *Dairy Agt.*

**Economics (Agr.):**

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*†O. D. Duncan, M. S., *Assoc. Prof. and Assoc. in Rural Sociol.*
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‡P. J. Nelson, M. A., *Farm Mgt. Specialist.*
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*Allan Kirkpatrick, B. S., *Teacher Trainer in Agr. Ed.*
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‡C. V. Phagan, B. S., *Ext. Asst. Farm Engin.*

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*†G. A. Bieberdorf, B. S., *Asst. Prof. and Asst. Ent.*
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†H. H. Finnell, B. S., *Assoc. in Field Crops and Soils (P. O., Goodwell).*

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*†J. C. Ireland, Ph. D., *Prof. Plant Brdg.; Plant Brdg.*
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*†L. L. Ligon, M. S., *Assoc. Prof. and Assoc. in Field Crops and Soils (Cotton).*
*†H. F. Murphy, M. S., *Assoc. Prof. and Assoc. in Soils.*
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*Florence L. Lytle, M. A., *Prof. and Head Dept. of Teacher Training.*
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*Florence D. Schertz, M. A., *Prof. and Head Dept. of Household Sci.*
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*Hilda Brockman, B. S., R. N., *Asst. Prof. Household Sci.*
*Mary B. Carter, M. A., *Asst. Prof. Household Sci.*
*Callie M. Coons, Ph. D., *Assoc. Prof. Household Sci.*
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*Mary Kirkpatrick, B. S., *Instr. Household Sci.*
‡Martha R. McPheeters, B. S., *Food and Nutr. Specialist.*
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*Mildred E. Smith, B. S., *Instr. Household Art.*
*Grace Steininger, M. S., *Assoc. Prof. Household Sci.*

[1] For subject-matter workers see the respective division; i. e., animal husbandry, bacteriology, etc.
[2] On leave.

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*†F. B. Cross, M. S., *Assoc. Prof. and Assoc. Pomol.*
‡D. C. Mooring, M. S., *Ext. Hort.*
*†D. V. Shuhart, M. S., *Asst. Prof. Hort. and For.; Pecan Invest.*
*†Ora Smith, Ph. D., *Asst. Prof. and Veg. Gard.*
‡B. E. White, B. S., *Ext. For. and Asst. Hort.*

**Poultry Husbandry:**
*†R. B. Thompson, B. S., *Prof. and Head of Dept.*
*†George Davis, *Supt. of Poultry Farms.*

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‡I. J. Hollar, B. S., *Asst. Ext. Poultry.*
*†Lawrence Morris, M. S., *Asst. Prof. and Asst. in Poultry Husb.*
*†Robert Penquite, M. S., *Assoc. Prof. and Asst. in Poultry Husb.*
‡H. G. Ware, B. S., *Ext. Poultryman.*

**Miscellaneous:**
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*B. W. Rodenwold, M. S., *Asst. Prof. An. Husb.*

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**Botany and Plant Pathology:**
*†H. P. Barss, S. M., *Prof. Bot. and Plant Path.; Plant Path. in charge.*
*W. M. Atwood, Ph. D., *Prof. Plant Physiol.*
*Helen M. Gilkey, Ph. D., *Assoc. Prof. Bot., Curator of Herbarium.*
*W. E. Lawrence, B. S., *Assoc. Prof. Plant Ecology.*
†M. B. McKay,[1] M. S., *Plant Path.*
†F. P. McWhorter, Ph. D., *Assoc. Plant Path.*
*C. E. Owens, M. A., *Assoc. Prof. Plant Path.*
*F. P. Sipe, M. S., *Instr. Bot.*
†S. M. Zeller, Ph. D., *Plant Path.*

**Chemistry:**
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†D. E. Bullis, B. S., *Asst. Chem.*
†J. R. Haag, Ph. D., *Nutr. Chem.*
†R. H. Robinson, M. S., *Chem.*
†C. F. Whitaker, B. S., *Asst. Chem.*

**Dairy Husbandry:**
*†P. M. Brandt, A. M., *Prof. Dairy Husb.; Dairy Husb. in charge.*
*H. N. Colman, B. S., *Asst. Prof. Dairy Husb.*
‡N. C. Jamison, B. S., *Ext. Dairyman.*
*†I. R. Jones, Ph. D., *Assoc. Prof. and Assoc. Dairy Husb.*
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‡G. P. Boals, M. S., *Junior Ext. Econ.*
‡L. R. Breithaupt, B. S., *Ext. Econ.*
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*†W. H. Dreesen, Ph. D., *Prof. Econ. and Sociol.; Assoc. Agr. Econ.*
‡G. O. Gatlin, LL. B., *Ext. Econ.*

[1] On leave.

**Economics and Farm Management**—Contd.
*†G. W. Kuhlman, M. S., *Asst. Prof. and Asst. in Farm Mgt.*
*†E. B. Mittelman, Ph. D., *Assoc. Prof. Econ. and Sociol.; Assoc. Agr. Econ.*
†H. E. Selby, B. S., *Assoc. in Farm Mgt.*
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*E. E. Wilson, A. M., *Asst. Prof. Econ. and Sociol.*

**Editorial**—*See* **Journalism.**

**Education (Agr.):**
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*O. K. Beals, B. S., *Critic Teacher in Agr. Ed.*

**Engineering (Agr.):**
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†M. R. Lewis, B. S., C. E., *Drainage Engin. (Coop. U. S. D. A.).*
*H. S. Rogers, B. S., C. E., *Prof. Irrig. Engin.*
*G. V. Skelton, C. E., *Prof. Highway Engin.*
*Fred Merryfield, B. S., *Instr. Irrig. Engin.*
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†G. R. McGinnis, M. S., *Field Agt. in Ent.*
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†Joseph Wilcox, M. S., *Asst. Ent.*

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‡H. C. Seymour, *State Club Leader.*
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‡U. S. Burt, *Visual Ed. Specialist.*
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†H. A. Schoth, M. S., *Assoc. Agron. (Coop. U. S. D. A.).*
*D. C. Smith, M. S., *Instr. Farm Crops.*
†A H. Walker, B. S., *Farm Crops Supt.*

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*Melissa Hunter, M. A., *Prof. and Head Dept. of Institution Econ.*
*A. Grace Johnson, M. A., *Prof. and Head Dept. of Household Admin.*
*Jessamine C. Williams,[2] M. A., *Prof. and Head Dept. of Foods and Nutr.*
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*Georgia C. Bibee, B. S., *Instr. Institution Econ.*
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‡Lucy A. Case, M. A., *Nutr. Specialist.*
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*Lillian C. Taylor, M. A., *Instr. Foods and Nutr.*
*Mary S. Van Kirk, *Instr. Clothing, Textiles, and Related Arts.*
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*Frances Wright, B. S., *State Supvr. and Teacher Trainer in Voc. Home Econ. Ed.*

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*†A. G. B. Bouquet,[2] B. S., *Prof. Veg. Gard.; Hort. (Veg. Gard.).*

[1] For subject-matter workers see the respective division: i. e., animal husbandry, bacteriology, etc.
[2] On leave.

**Horticulture**—Continued.
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†Henry Hartman,[1] M. S., *Hort. (Pomol.)*
*†E. M. Harvey, Ph. D., *Prof. and Research Hort. (Physiol.).*
‡C. L. Long, M. S., *Ext. Hort.*
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*A. L. Peck, B. S., *Prof. Landsc. Arch. and Flor.*
†C. E. Schuster, M. S., *Hort. (Coop. U. S. D. A.).*
*†E. H. Wiegand, B. S., *Prof. Hort. Products; Hort. (Products).*

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†F. L. Knowlton, B. S., *Poultry Husb.*

**Soils:**
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*†C. V. Ruzek, M. S., *Prof. and Assoc. in Soils (Fert.).*
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*†E. F. Torgerson, B. S., *Asst. Prof. Soils; Asst. in Soil Survey.*

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*†B. T. Simms, D. V. M., *Prof. Vet. Med; Vet. in charge.*
*†E. M. Dickinson, D. V. M., *Asst. Poultry Path.*
†F. M. Bolin, D. V. M., *Asst. Vet.*

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†O. H. Muth, D. V. M., *Asst. Vet.*
*†J. N. Shaw, B. S., D. V. M., *Asst. Prof. Vet. Med.; Asst. Vet.*

**Zoology:**
*Nathan Fasten, Ph. D., *Prof. Zool.*
*W. D. Courtney, M. S., *Asst. Prof. Zool.*
‡I. N. Gabrielson, A. B., *Leader in Rodent Control.*
*K. L. Gordon, M. A., *Instr. Zool.*
*J. L. Osborn, A. M., *Instr. Zool.*
*Mrs. Sue A. Reed, B. S., *Technician in Zool.*

**Miscellaneous:**
*Lucy M. Lewis, A. B., B. L. S., *Libr*

**Substations:**
Eastern Oreg. Branch Sta., *P. O., Union*—
Robert Withycombe, B. S., *Supt.*
F. M. Edwards, B. S., *Asst. An. Husb.*
Harney Valley Branch Sta., *P. O., Burns*—
Obil Shattuck, M. S., *Supt.*
R. E. Hutchison, B. S., *Asst. to Supt.*
Hood River Branch Sta., *P. O., Hood River*—
Leroy Childs, B. A., *Supt. and Ent.*
G. G. Brown, B. S., *Hort.*
John Jacob Astor Branch Sta., *P. O., Astoria*—
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G. A. Mitchell, B. S., *Asst. to Supt.*
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M. M. Oveson, B. S., *Asst. to Supt.*
Southern Oreg. Branch Sta., *P. O., Talent*—
F. C. Reimer, M. S., *Supt.*
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## PENNSYLVANIA

### The School of Agriculture and Agricultural Experiment Station and the Departments of Home Economics and Rural Education of the Pennsylvania State College,[2] *State College*

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*†C. F. Noll, Ph. D., *Prof. Expt. Agron. and Supt. of Farms.*
*†J. W. White, M. S., *Prof. Soil Tech.*
*†J. S. Cobb, M. S., *Asst. Prof. Agron.*
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*†A. L. Patrick, M. S., *Prof. Soil Tech.*
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- *‡W. B. Connell, M. S., *Prof. An. Husb. Ext. (Sheep).*
- *†W. L. Henning, M. S., *Asst. Prof. An. Husb.*
- *†T. B. Keith, M. S., *Asst. in An. Husb.*
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- *†P. T. Ziegler, M. S., *Asst. Prof. An. Husb.*

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- *†Florence Brown, M. S., *Instr. Bot.*
- *‡L. T. Denniston, B. S., *Asst. Prof. Plant Path. Ext.*
- *†Ilo Hein, Ph. D., *Asst. Prof. Bot.*
- *†J. B. Hill, Ph. D., *Prof. Bot.*
- *†J. P. Kelly, Sc. D., *Prof. Bot.*
- *‡R. S. Kirby, Ph. D., *Prof. Plant Path. Ext.*
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- *†L. O. Overholts, Ph. D., *Prof. Bot.*
- *†H. W. Popp, Ph. D., *Asst. Prof. Bot.*
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- *†S. I. Bechdel, Ph. D., *Prof. Dairy Prod.*
- *†C. D. Dahle, M. S., *Prof. Dairy Mfrs.*
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- *†K. P. Dozois, B. S., *Asst. in Bact.*
- *‡E. B. Fitts, B. S., *Prof. Dairy Husb. Ext.*
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- *†F. P. Knoll, *Asst. in Dairy Mfrs.*
- *†M. H. Knutsen, M. S., *Prof. Bact.*
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- *‡I. O. Sidelmann, *Asst. in Dairy Husb. Ext.*
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**Editorial:**
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- *†C. S. Anderson, M. S., *Assoc. Prof. Agr. Ed*
- *†W. A. Broyles, Ph. D., *Prof. Agr. Ed.*
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**Entomology**—*See* **Zoology.**

**Extension (Admin.):**[2]
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[1] On leave.

[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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*†F. N. Fagan, M. S., *Prof. Pomol.*
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*†E. I. Wilde, Ph. D., *Prof. Flor.*
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*†A. F. Cooke, jr., M. S., *Asst. in Flor.*
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## PORTO RICO

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### Agricultural Experiment Station, *Mayaguez*

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†C. M. Tucker, B. S., *Plant Path.*
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*H. L. Jackson, M. S., *Prof. Indus. Chem.*
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‡L. F. Kinney, jr., M. S., *State Club Leader.*

**Home Economics:**
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*Laura E. Andrews, A. M., *Prof. Home Econ.*

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*Elisabeth Stillman, B. S., *Instr. Institutional Mgt.*
*Grace C. Whaley, B. E., *Prof. Teacher Training in Home Econ.*

**Horticulture:**
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*G. B. Durham, M. S., *Asst. Prof. Hort.*

**Physics:**
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**Zoology:**
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**Miscellaneous:**
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†Nathaniel Helme, *Met.*

## SOUTH CAROLINA

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**Agronomy:**
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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E. E. Hall, M. S., *Agron. in charge Cotton Research.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.

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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.

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*Myrtle Hire, M. S., *Instr. Foods and Clothing.*
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†J. A. McClintock, M. S., *Hort. and Assoc. Plant Path.*
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†Simon Marcovitch, Ph. D., *Ent.*
*J. W. Nuttycombe, Ph. D., *Asst. Prof. Zool*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry etc.

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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.

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*Alice E. Blundell, M. S., *Asst. Prof. Home Econ.*
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*P. A. Moody, Ph. D., *Asst. Prof. Zool.*
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[1] On leave.
[2] For subject-matter workers, see the respective division; i. e., agronomy, animal industry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc

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[1]On leave.

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[1] For subject matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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‡W. H. Kendrick, B. S., *Asst. Dir.*
‡Gertrude Humphreys, A. B., *State Agt.*
‡C. E. Stockdale, M. S., *State Agt.*

**Forestry:**
‡T. W. Skuce, B. S., *For. Specialist.*

**Home Economics:**
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*Ella L. Boggess, B. S., *Asst. in Home Econ.*

**Home Economics**—Continued.
*Bertha J. Boyd, B. S., *Instr. Home Econ.*
†Hazel C. Cameron, M. A., *Research Specialist in Foods and Nutr.*
*Montelle Dietrich, M. S., *Instr. Home Econ.*
*Helen E. Kallenberg, B. S., *Instr. Home Econ.*
*Nell Nesbitt, A. M., *Asst. Prof. Home Econ.*
*Ruth D. Noer, M. S., *Asst. Prof. Home Econ.*
*Beth M. Palmer, M. S., *Asst. Prof. Home Econ.*
*Jean E. Richmond, A. M., *Asst. Prof. Home Econ. and Ed.*
*Vivian Stone, M. A., *Asst. Prof. Home Econ.*

**Horticulture:**
*†H. E. Knowlton, Ph. D., *Prof. Hort.; Hort.*
‡Dee Crane, *Potato Specialist.*
*†A. P. Dye, M. S., *Gardener.*
‡T. D. Gray, B. S., *Landsc. Arch.*
*†M. B. Hoffman, M. S., *Instr. and Asst. in Hort.*
*†E. N. McCubbin, A. M., *Asst. in Hort.*
‡H. W. Prettyman, B. S., *Supt. Packing School (P. O., Inwood).*
*†K. C. Westover, M. S., *Asst. Prof. and Asst. Hort.*

**Plant Pathology:**
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†Anthony Berg, M. S., *Assoc. Plant Path.*
*†L. H. Leonian, Ph. D., *Assoc. Prof. and Assoc. Plant Path.*
†F. J. Schneiderhan, M. S., *Assoc. Plant Path. (P. O., Inwood).*
†‡E. C. Sherwood, M. S., *Asst. Plant Path., Plant Disease and Insect Specialist.*

**Poultry Husbandry:**
*E. L. Andrews, M. S., *Head Dept. of Poultry Husb.*
†Horace Atwood, M. S., *Head Dept. of Poultry Research.*
†T. B. Clark, B. S., *Asst. in Poultry Research.*
‡R. L. Mason, B. S., *Poultry Specialist.*
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**Miscellaneous:**
*L. D. Arnett, Ph. D., *Libr.*

**Substations:**
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*L. Drain, B. L., *Libr.*
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*H. E. Findley, M. S., *Biol.*
*B. L. Goode, B. S., *Instr. Agr.*
*A. P. Hamblin, B. S., *Biol.*
*R. W. James, *An. and Poultry Husb.*
*W. L. Kennedy, M. S., *Dairy Husb.*
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*Mrs. Dorothy I. Miller, A. M., *Dir. Dept. of Home Econ.*
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*Mrs. Mae A. Phillips, B. S., *Dom. Art.*
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[1] For subject-matter workers see the respective division; i. e., agronomy and genetics, animal husbandry, etc.

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†D. R. Mitchell, M. S., *Research Asst. in Farm Mgt.*
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*M. A. Schaars, M. S., *Instr. Agr. Econ.*
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*C. H. Griffith, B. S., *Instr. Econ. Ent.*
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‡E. L. Luther, B. S., *Asst. County Agt. Leader and Supt. Farmers' Insts.*
‡Wakelin McNeel, B. S., *Asst. State Club Leader (For.).*
‡W. A. Rowlands, B. S., *Asst. County Agt. Leader.*
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†E. E. Van Lone, M. S., *Asst. in Genetics.*
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*Irene Bennett, B. S., *Instr. Home Econ.*
*†May L. Cowles, Ph. D., *Asst. Prof. Home Econ.*
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‡Wealthy M. Hale, B. S., *Home Econ. Specialist.*
*Ruth A. Henderson, B. S., *Asst. Prof. Home Econ.*
*Ellen G. Hillstrom,[2] A. M., *Assoc. Prof. Home Econ.*
*Laura Holmes, M. A., Ph. B., *Instr. Home Econ.*
*Katherine Jones, B. S., *Instr. Home Econ.*
*Marion A. Juaire, M. S., *Instr. Home Econ.*
‡Mrs. Margaret P. McCordic, B. S., *Home Econ. Specialist.*
‡Sadie A. McNulty, B. S., *Home Econ. Specialist.*
*Hazel Manning, M. S., *Assoc. Prof. Home Econ.*
‡Gladys L. Meloche, M. S., *Home Econ. Specialist.*
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*Ruth H. Myrland, B. A., *Asst. to Chair. of Dept.*
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*Stella Patton, M. S., *Instr. Home Econ.*
‡Mary E. Purcell, B. S., *Home Econ. Specialist.*
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*Mrs. May S. Reynolds, M. S., *Asst. Prof. Home Econ.*
‡Gladys S. Stillman, Ph. B., M. S., *Home Econ. Specialist.*
*Bessie F. Tyrell, M. A., *Asst. Prof. Home Econ.*

**Horticulture:**
*†‡J. G. Moore, M. S., M. H., *Chair of Dept.*
*‡F. A. Aust, M. S., M. L. D., *Assoc. Prof. Hort. (Landsc. Design).*
*†‡J. W. Brann, M. S., *Asst. Prof. and Hort. Specialist.*
*E. F. Burk, M. S., *Instr. Hort.*
†A. H. Finch, M. S., *Research Asst. Hort.*
†F. S. Henika, M. S., *Research Asst. in Hort.*
†Isme A. Hoggan, Ph. D., *Research Assoc. Hort.*
*†‡James Johnson, Ph. D., *Prof. Hort.; Hort. (Coop. U. S. D. A.).*
‡C. L. Kuehner, B. S., *Hort. Specialist.*
*‡G. W. Longenecker, M. S., *Instr. Hort.*
*†‡J. G. Milward, M. S., *Prof. Hort.; Hort.*
†W. B. Ogden, B. S., *Research Hort.*
*†‡R. H. Roberts, Ph. D., *Prof. Hort.; Hort.*

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*†‡Grace E. Langdon, B. A., *Instr. Agr. Journalism.*
*†Agatha R. Raisbeck, M. S., *Instr. Agr. Journalism.*
*‡W. A. Sumner, B. S., *Assoc. Prof. Agr. Journalism, Assoc. Editor.*

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*‡J. W. Brann, M. S., *Asst. Prof. Plant Path.*
*†J. G. Dickson, Ph. D., *Prof. Plant Path.; Plant Path. (Coop. U. S. D. A.).*
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†J. M. Hamilton, B. S., *Asst. Plant Path.*
†M. R. Harris, M. S., *Asst. Plant Path.*
*†G. W. Keitt, Ph. D., *Prof. Plant Path.; Plant Path.*
†R. H. Larson, B. A., *Asst. Plant Path.*
*†A. J. Riker, Ph. D., *Assoc. Prof. and Research Assoc. in Plant Path. (Coop. U. S. D. A.).*
†Mrs. R. S. Riker, Ph. D., *Asst. Plant Path.*
†C. B. Sumner, A. B., *Asst. Plant Path.*
*‡R. E. Vaughan, M. S., *Prof. Plant Path.*
*J. C. Walker, Ph. D., *Prof. Plant. Path (Coop U. S. D. A.).*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[2] On leave.

**Poultry Husbandry:**
*††J. G. Halpin, B. S., *Chair. of Dept.*
*‡G. E. Annin, B. S., *Instr. Poultry Husb. and Poultry Specialist.*
‡J. B. Hayes, B. S., *Poultry Husb. Specialist.*
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**Soils:**
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*A. R. Albert, B. S., *Instr. Soils* (*P. O., Hancock*).
*C. J. Chapman, B. S., *Assoc. Prof. Soils and Chem. in State Soils Lab.*
*W. J. Geib, M. Agr., *Asst. Prof. Soils, Soil Survey Work* (*Coop. U. S. D. A.*).
*E. J. Graul, M. S., *Assoc. Prof. Soils.*
*†H. H. Hull, M. S., *Instr. and Asst. in Soils.*
†H. W. Kerr, Ph. D., *Research Asst. in Soils.*
*††F. L. Musbach, B. S., *Prof. Soils* (*P. O., Marshfield*).
*‡Griffith Richards, B. S., *Assoc. Prof. Soils.*
†A. W. Rothermel, *Asst. in Soils.*
*†Emil Truog, M. S., *Prof. Soils; Soils.*
*‡O. R. Zeasman, B. S., *Asst. Prof. Soils.*

**Veterinary Science:**
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**Veterinary Science**—Continued.
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*††‡A. J. Haas, *Executive Secy.*
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A. M. Strommen, B. S., *Asst. in Agron.* (*P. O. Ashland*).
Hancock and Coddington Stas.—A. R. Albert, B. S., *in charge* (*P. O., Hancock*).
Marshfield Sta.—F. L. Musbach, B. S., *in charge.*

## WYOMING

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*†Glen Hartman, M. S., *Asst. Prof. and Asst. Agron.*
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†W. A. Riedl, B. S., *Asst. Agron.*
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‡J. R. Neale, B. S., *Livestock and Dairy Specialist.*
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‡O. N. Summers, B. S., *Poultry Specialist.*
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‡Verna R. Johannesen, *State Home Dem. Leader.*
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*Ruth Bumpas, M. S., *Instr. Home Econ.*
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‡Evangeline Jennings, B. S., *Foods and Nutr. Specialist.*
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*†A. M. Lee, D. V. M., *Asst. Prof. Vet. Sci. and Bact.; Asst. Vet.*
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*Mary J. Brown, Ph. D., *Instr. Zool. and Physiol.*
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**Miscellaneous:**
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Cheyenne Expt. Farm, *P. O., Cheyenne*—A. L. Nelson, M. S., *Supt.*
Fremont County Expt. Farm, *P. O., Lander*—J. M. Steinbrech, *Supt.*
Goshen County Expt. Farm, *P. O., Torrington*—Axell Christensen, B. S., *Supt.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
[2] Given in College of Education.

# INDEX OF NAMES


Aardal, A. A., 30.
Aase, H. C., 93.
Abbott, C. E., 14.
Abbott, F. H., 6.
Abbott, O. D., 14.
Abbott, R. C., 54.
Abbott, W. C., 36.
Abel, F. A. E., 19.
Abell, M. F., 57.
Abry, C. F., 97.
Ackerman, W. T., 57.
Ackerson, C. W., 54.
Ackert, J. E., 33.
Adair, S. B., 15.
Adams, B., 65.
Adams, B. S., 17.
Adams, F., 7.
Adams, G. E., 80.
Adams, H. M., 60.
Adams, J. E., 82.
Adams, J. F., 13.
Adams, J. W., 11.
Adams, M., 56.
Adams, P. D., 78.
Adams, P. G., 73.
Adams, R. L., 7.
Adams, R. M., 64.
Adams, W. L., 80
Adams, W. R., jr., 90.
Addington, L. H., 61.
Aderhold, O. C., 16.
Adriance, G. W., 87.
Agee, H. P., 19.
Ahlborn, M., 33
Ahmann, C. F., 14.
Ahrens, H. G., 47.
Aicher, L. C., 34.
Aikman, J. M., 27.
Ainsworth, H. F., 25.
Aitken, W. A., 30.
Aitkenhead, W., 25.
Akers, T. F., 50.
Albert, A. R., 98.
Albert, D. W., 4.
Albert, E. J., 91.
Albert, W. B., 82.
Alberts, H. W., 3.
Albertson, H. G., 20.
Albrecht, D. A., 22.
Albrecht, W. A., 52.
Albritton, G. G., 84.
Alcock, J. R., 41.
Alder, B., 88.
Alder, H. E., 55.
Alderman, G. W., 42.
Alderman, O. A., 72.
Alderman, W. H., 48.
Aldous, A. E., 31.
Alex, A. H., 87.
Alexander, A. S., 98.
Alexander, C. L., 46.
Alexander, C. P., 41.
Alexander, E. D., 15.
Alexander, E. R., 87.
Alexander, J. M., 88.
Alexander, M. A., 31.
Alexander, W. H., 73.
Alford, A. O., 67.
Alford, S. W., 55.
Alger, E. B., 93.
Allaine, E., 2.
Allbaugh, L. G., 28.
Allen, A. A., 63.
Allen, A. C., 9.
Allen, C. L., 62.
Allen, Mrs. E. H., 24.
Allen, F. J., 24.
Allen, F. W., 8.
Allen, H., 11.
Allen, H. B., 95.
Allen, H. L. (Mass.), 41.
Allen, H. L. (Wis.), 97.
Allen, H. R., 35.
Allen, J. C., 26.
Allen, L. J., 76.
Allen, N. N., 46.
Allen, O. N., 96.
Allen, P. W., 84.
Allen, R. F., 6.
Allen, T. C., 96.
Allison, I. M. K., 11.
Allison, J. B., jr., 58.
Allison, J. H., 47.
Allison, R. V., 15.
Allred, C. E., 85.
Almy, E. F., 70.
Alp, H. H., 21.
Alvarez, A. A., 80.
Alvord, B. F., 1.
Alway, F. J., 48.
Amberson, J. D., 79.
Ambrose, M. A., 85.
Amburgey, L. V., 35.
Amerson, M. E., 40.
Ames, C. T., 50.
Ames, J. W., 71.
Ames, L. M., 72.
Amick, H. C., 85.
Amick, W. R., 25.
Amundson, G., 43.
Amundson, R., 97.
Anders, C. B., 49.
Anders, I. A., 85.
Anderson, A., 54.
Anderson, A. E., 83.
Anderson, A. von K., 78.
Anderson, A. L., 27.
Anderson, B. G., 92.
Anderson, B. M., 31.
Anderson, C. A., 6.
Anderson, C. R., 79.
Anderson, C. S., 78.
Anderson, D. B., 66.
Anderson, D. F., 30.
Anderson, E. E., 61.
Anderson, E. J. (Pa.), 79.
Anderson, E. J. (Tex.), 88.
Anderson, E. O., 11.
Anderson, F. A., 9.
Anderson, G. C., 20.
Anderson, G. F., 90.
Anderson, H. E., 61.
Anderson, H. G., 68.
Anderson, H. W., 23.
Anderson, J. A. (Minn.), 48.
Anderson, J. A. (N. J.), 58.
Anderson, J. C., 21.
Anderson, J. L., 16.
Anderson, L. C., 66.
Anderson, M. A., 69.
Anderson, O. G., 26.
Anderson, P. A., 46.
Anderson, P. J., 13.
Anderson, P. O., 47.
Anderson, W. (Oreg.), 76.
Anderson, W. (R. I.), 81.
Anderson, W. A., 67.
Anderson, W. E., 75.
Anderson, W. S. (Ky.), 34.
Anderson, W. S. (Miss.), 50.
Andes, J. O., 84.
Andrews, A., 83.
Andrews, E. L., 95.
Andrews, F. H., 83.
Andrews, F. S., 82.
Andrews, J. B., 22.
Andrews, L. E., 81.
Annin, G. E., 98.
Anthony, E. L., 43.
Anthony, M. K., 5.
Anthony, R. D., 79.
Applegate, A. A., 84.
Appleman, C. O., 40.
Arant, F. S., 2.
Arbour, M. B., 36.
Archibald, J. G., 41.
Archibald, L. S., 58.
Arey, J. A., 66.
Argo, V., 71.
Armentrout, W. W., 95.
Armes, M. J., 78.
Armstrong, F. E., 18.
Armstrong, G. B., 23.
Armstrong, G. M., 81.
Armstrong, L. O., 67.
Armstrong, M. D., 94.
Armstrong, W. F., 67.
Arnandez, J. L., 2.
Arnett, L. D., 95.
Arnold, C. R., 70.
Arnold, E. M., 33.
Arnold, F. J., 27.
Arnold, H. A., 85.
Arnold, L. R., 45.
Arny, A. C., 46.
Arrington, L. B., 59, 60.
Arroyo, A., 80.
Asbury, S. E., 86.
Ascham, L., 16, 17.
Asdell, S. A., 62.
Ashby, R. C., 21.
Ashcraft, D. W., 71.
Ashlee, T. R., 20.
Ashworth, J. T., 13.
Atherton, I. K., 39.
Atkeson, F. W., 20.
Atkins, C. F., 68.
Atkins, R. C., 2.
Atkins, S. W., 85.
Atkinson, A., III, 53.
Atkinson, C. W., 19.
Atkinson, T. W., 36.
Atwood, F. J., 55.
Atwood, H., 95.
Atwood, R. B., 35.
Atwood, W. M., 75.
Aubel, C. E., 31.
Auchter, E. C., 39.
Aull, G. H., 82.
Aull, W. B., 81.
Ausemus, E. R., 46.
Aust, F. A., 97.
Austin, A. C., 8.
Austin, E. L., 43.
Austin, R. H., 84.
Averill, A. W., 38.
Averitt, S. D., 34.
Avery, G. T., 10.
Ayers, T. L., 82.
Aylesworth, P. F., 25.
Ayres, A., 19.
Ayres, H. L., 39.

Ayres, J. C., 19.
Ayres, Q. C., 28.
Ayres, W. E. (Miss.), 50.
Ayres, W. E. (N. Y.), 62.

Babb, M. F., 44.
Babbin, G. E., 38.
Babcock, E. B., 8.
Babcock, O. G., 88.
Babcock, S. M., 96.
Babiy, P. P., 63.
Bach, W. J., 87.
Bachtell, M. A., 73.
Backstrom, E., 75.
Backstrom, F. M., 89.
Bacon, M., 29.
Badger, C. J., 21.
Baer, A. A., 55.
Baerg, W. J., 5.
Baie, E. A., 25.
Bailes, E. L., 10.
Bailey, C. H., 46.
Bailey, C. T., 1.
Bailey, D. H., 78.
Bailey, E. H., 49.
Bailey, E. M., 12.
Bailey, F. E., 90.
Bailey, G. W., 90.
Bailey, H. G., 60.
Bailey, I. M., 91.
Bailey, J. E., 17.
Bailey, J. S., 41.
Bailey, R., 89.
Bailey, R. Y., 1.
Bainer, R., 7.
Baird, J. R., 22.
Baird, R. W., 74.
Baker, A. L., 78.
Baker, C. A., 11.
Baker, C. E., 26.
Baker, F. S., 8.
Baker, G. J., 68.
Baker, G. L., 13.
Baker, H. A., 36.
Baker, H. J., 58.
Baker, H. R., 4.
Baker, J. E., 15.
Baker, K. G., 2.
Baker, L. C. W., 32.
Baker, M. P., 28.
Baker, M. S., 92.
Baker, T. A., 13.
Baker, W. C., 62.
Baker, W. W., 94.
Bakke, A. L., 27.
Bakke, Mrs. J. A., 28.
Balbach, P. I., 26.
Balch, W. B., 33.
Baldwin, G. H., 81.
Baldwin, I. L., 96.
Baldwin, J. C., 15.
Baldwin, R. J., 42.
Baldwin, W. A., 19.
Bales, A., 69.
Ball, A. S., 40.
Ball, C. D., jr., 42.
Ball, E. D., 3.
Ball, O. M., 86.
Ballantyne, A. B., 4.
Ballard, C. V., 43.
Ballard, F. L., 76.
Ballard, W. R., 39.
Ballinger, R. A., 91.
Ballou, F. H., 73.
Balmer, F. E., 47.
Baltzer, A. C., 43.
Bancroft, C. M., 70.
Bandemer, S. L., 42.
Bane, G. M., 70.
Banks, C., 88.
Banks, G. H., 5.
Banks, W. R., 88.
Banta, L., 42.
Banzet, E. M., 45.
Barbee, O. E., 93.
Barden, R. D., 70.
Bare, O. S., 55.
Barham, J. F., 52.
Barker, Mrs. E. P., 28.
Barker, H. C., 39.
Barker, R. M., 58.
Barkley, M., 35.
Barkman, J. O., 34.
Barlow, J., 81.
Barnes, Mrs. D. R., 87.
Barnes, E. E., 71.
Barnes, G., 40.
Barnes, G. F., 50.
Barnes, G. W., 86.
Barnes, I. M., 23.
Barnes, L. H., 70.
Barnes, M. W., 93.
Barnes, N. A., 81.
Barnett, R. J., 33.
Barnette, R. M., 14.
Barnhart, A. S., 58.
Barnum, C. C., 19.
Barr, H. T., 36.
Barraclough, K. E., 57.
Barre, H. W., 81.
Barrett, D., 16.
Barrett, F. N., 45.
Barrett, J. T., 9.
Barrett, O. W., 18.
Barrett, R. H., 41.
Barron, J. H., 62.
Barrows, Mrs. E. S., 89.
Barrows, W. M., 71.
Barrus, M. F., 65.
Barry, Mrs. M. W., 87.
Barss, H. P., 75.
Bartel, F. O., 66.
Bartholomew, E. T., 9.
Bartholomew, H., 23.
Bartholomew, R. P., 4.
Bartlett, J. M., 38.
Bartlett, J. W., 58, 59.
Bartlett, R. A., 28.
Barto, H. T., 23.
Barton, D. T., 57.
Barton, E., 70.
Barton, O. A., 68.
Basart, V. D., 83.
Basherov, S., 80.
Basinger, A. J., 7.
Bassett, C. F., 27.
Bassett, L. B., 47.
Bastress, A. W., 3.
Batchelor, E. M., 32.
Batchelor, H. W., 71.
Batchelor, L. D., 6, 8.
Bate, L. F., 95.
Bateman, G. Q., 88.
Bateman, L. R., 42.
Bates, E., 63.
Bates, L., 50.
Batten, E. T., 92.
Battey, Z., 5.
Battles, R. U., 72.
Bauer, F. C., 21.
Baumann, C., 96.
Baumgartner, W. H., 59.
Bausman, R. O., 13.
Baver, L. D., 1.
Bayfield, E. G., 71.
Bayha, A. E., 44.
Bayles, B. B., 54.
Bayles, J. J., 87.
Bayne, T. L., jr., 63.
Bazore, K., 18.
Beach, B. A., 98.
Beach, C. L., 11.
Beach, F. H., 71.
Beach, G. A., 11.
Beach, J. R., 9.
Beach, K. H., 42.
Beach, W. S., 78.
Beadle, A. P., 25.
Beadle, G. W., 64.
Beadles, J. R., 21.
Beal, W. H., II.
Beale, A. M., 37.
Beals, O. K., 76.
Beam, A. L., 78.
Beamer, L. C., 91.
Bean, R. S., 18.
Bean, T. L., 9.
Beard, F. J., 73.
Beard, W. P., 83.
Bearer, E. V., 58.
Bearse, G. E., 94.
Beath, O. A., 98.
Beaudette, F. R., 59, 60.
Beaumont, A. B., 40.
Beaumont, J. H., 67.
Beaver, P. C., 99.
Bechdel, S. I., 78.
Beck, P. G., 72.
Becker, E. R., 31.
Becker, F. L., 44.
Becker, R. B., 14.
Beckett, S. H., 7.
Beckwith, C. S., 60.
Becraft, R. J., 89.
Bedenbaugh, P. G., 49.
Beeskow, H. C., 42.
Beeson, K. E., 24.
Beggs, A. F., 57.
Behr, J. R., 25.
Behre, E. H., 37.
Behrens, C. A., 24.
Beisel, Mrs. M. T., 25.
Bell, A. J., 43.
Bell, C. E., 14.
Bell, D. S., 72.
Bell, E. W., 41.
Bell, F., 17.
Bell, F. W., 31.
Bell, J. C., 17.
Bell, J. P., 5.
Bell, L. A., 43.
Bell, M. A., 54.
Bell, Mrs. M. C., 58.
Bell, R. E., 93.
Belling, J., 8.
Belton, H. L., 7.
Benbrook, E. A., 30.
Bender, C. B., 58, 59.
Bender, E. M., 32.
Bender, R. C., 62.
Bendixen, H. A., 93.
Benedict, A. A., 30.
Benedict, M. R., 83.
Bennett, E., III.
Bennett, E. R., 20.
Bennett, F. W., 16.
Bennett, H. G., 73.
Bennett, H. J., 37.
Bennett, I., 97.
Bennett, J. P., 9.
Bennett, L. J., 29.
Bennett, M. A., 25.
Bennett, R. E. 29.
Bennion, F., 53.
Benson, H. B., 2.
Bentley, F. L., 78.
Bentley, G. M., 85.
Bentley, J., jr., 63.
Bentley, M. R., 87.
Bentley, R. C., 28.
Bentley, W. D., 74.
Benton, A. H., 68.
Benton, T. H., 29.
Beresford, H., 20.
Beresford, H. E., 51.
Beresford, R., 27.
Berg, A., 95.
Berg, H. A., 44.
Berg, W. E., 7.
Berggren, C. L., 46.
Bergh, O. I., 48.
Bergman, H. D., 30.
Bergquist, S. G., 45.
Berly, J. A., 82.
Bernston, R. E., 89.
Berridge, A., 45.
Berrier, G. W., 61.
Berry, L. N., 61.
Besley, F. W., 39.
Besley, H. E., 39.
Besse, R. S., 75.
Bessey, E. A., 42.
Best, C. A., 99.
Bethke, R. M., 72.
Betten, C., III, 62.
Betten, G., 63.
Betten, Mrs. M. S., 63.
Bevan, W. L., III.
Bever, W., 20.
Bevier, I., 23.
Bewick, T. L., 97.
Bibby, F. F., 87.

Bibee, G. C., 76.
Bice, C. M., 18.
Bickford, M. E., 56.
Bieberdorf, G. A., 74.
Biebricker, A., 70.
Biekart, H. M., 59, 60.
Biester, A. M., 47.
Biester, H. E., 30.
Bigelow, E., 10.
Bilger, E. M., 18.
Billings, W. A., 48.
Bilsborrow, J. D., 22.
Bilsing, S. W., 87.
Bingham, A. B., 78.
Binkley, A. M., 11.
Binnewies, E. R., 83.
Binney, T. H., 24.
Binzel, C. E., 63.
Bioletti, F. T., 8.
Birch, H. A., 81.
Bird, E. W., 27, 28.
Birkett, T. E., 51.
Bishop, F. F., 86.
Bishop, H. A., 29.
Bissell, T. L., 17.
Bisson, C. S., 6.
Bitler, R. O., 26.
Bixby, F. L., 56.
Bizzell, J. A., 62.
Black, A., 79.
Black, A. G., 28.
Black, A. P., 14.
Black, J. J., 60.
Black, L. A., 93.
Black, L. M., 59.
Black, M., 19.
Black, W. L., 61.
Blacklock, R. W., 14.
Blackman, C. L., 69.
Blackmon, G. H., 15.
Blackmore, B., 63.
Blackshear, L. E., 16.
Blackwell, C. P., 73.
Blair, A. W., 59, 60.
Blair, C. J., jr., 91.
Blair, E. C., 66.
Blair, E. L., 47.
Blair, G. B., 56.
Blair, J. C., 23.
Blair, L. A., 87.
Blake, M. A., 59, 60.
Blake, Z. A., 74.
Blakeslee, L. H., 42, 45.
Blanch, J., 80.
Blandford, J. B., 39.
Blaney, J. E., 52.
Blasingame, R. U., 78.
Blauvelt, W. E., 63.
Blazier, F. E., 76.
Bledsoe, R. P., 17.
Bleecker, W. L., 5.
Blish, M. J., 54.
Bliss, D., 27.
Bliss, R. K., III, 27.
Blizzard, W. L., 73.
Blodgett, E. C., 20.
Blodgett, F. M., 65.
Blodgett, M. C., 10.
Blood, H. L., 88.
Blood, P. T., 56.
Bloodgood, D. W., 61.
Bloom, M. W., 5.
Bloye, A. I., 25.
Bluford, F. D., 68.
Blum, J. K., 86.
Blundell, A. E., 90.
Boals, G. P., 75.
Boardman, H. S., 37.
Boatman, J. L., 29.
Bode, I. T., 30.
Bodine, E. W., 10.
Bodman, G. B., 6.
Boehr, J. W., 74.
Boevers, M. L., 2.
Bogart, M. T., 79.
Boggess, E. L., 95.
Bohstedt, G., 96.
Bold, H. C., 90.
Bolender, E. O., 70.
Bolin, D. W., 20.
Bolin, F. M., 77.
Bollen, W. B., 75.
Bolley, H. L., 68.
Bollinger, C. O., 67.
Bomberger, F. B., 39.
Bond, M. C., 62.
Bond, Mrs. R. C., 35.
Bonde, R., 38.
Bondy, F. F., 82.
Bonell, J. A., 83.
Bonnen, C. A., 86.
Bonnett, O. T., 21.
Bonslagel, C. J., 5.
Booth, E. G., 68.
Bopst, L. E., 39.
Borden, A. D., 7.
Borg, F., 66.
Borgeson, R. W., 27.
Borland, A. A., 78.
Borman, E. K., 35.
Borst, H. L., 70, 71.
Borthwick, H. A., 6.
Borum, C. J., 26.
Boshart, E. W., 67.
Boss, A., 46, 47.
Boss, W., 46.
Botkin, C. W., 61.
Botsford, H. E., 65.
Botsford, R. C., 13.
Bottorff, C. A., 56.
Bottum, J. C., 25.
Boucher, R., jr., 51.
Bouquet, A. G. B., 76.
Bourne, A. I., 41.
Bourne, R. F., 11.
Bouyoucos, G. J., 45.
Bowden, R. B., 54.
Bowen, I. G., 57.
Bowen, J. V., 49.
Bower, C. W., 31.
Bower, R. F., 72.
Bowers, Mrs. B. B., 70.
Bowers, F. A., 19.
Bowles, P. S., 50.
Bowman, A. E., III, 98.
Bowman, Mrs. C. B., 98.
Bown, H. I., 29.
Boyce, A. M., 7.
Boyce, E. F., 90.
Boyce, S. L., 60.
Boyd, A. E., 79.
Boyd, B. J., 95.
Boyd, F., 52.
Boyd, H. B., 12.
Boyd, O. C., 40.
Boyd, W. E., II.
Boyd, W. L., 48.
Boyden, A. A., 59.
Boyden, R., 35.
Boyer, P. B., 85.
Boyle, J. E., 62.
Boyle, L. W., 68.
Boynton, W. H., 9.
Boys, Mrs. J. A., 63.
Boysen, H., 37.
Brabham, H. K., 17.
Bracken, A. F., 88, 89.
Bracken, J. R., 79.
Brackett, E. E., 55.
Brackett, R. N., 81.
Brackett, W. R., 33.
Bradfield, R., 71, 72.
Bradford, F. C., 44.
Bradford, H. E., 55.
Bradlee, T., 90.
Bradley, C. J., 35.
Bradley, J. C., 63.
Bradley, L. A., 40.
Bradt, G. W., 45.
Braman, W. W., 79.
Branaman, G. A., 42.
Branch, F. H., 41.
Brand, M. E., 16.
Brandly, C. A., 31.
Brandon, Mrs. V. H., 76.
Brandt, I. L., 29.
Brandt, P. M., 75.
Branegan, G. A., 53.
Brann, J. W., 97.
Brannen, C. O., 4, 5.
Brannon, C. H., 67.
Brannon, J. M., 22.
Branson, E. B., 51.
Brase, K. D., 66.
Brashear, Mrs. V. J., 29.
Brashears, M. E., 37.
Brasie, M., 63.
Brassfield, J., 53.
Bratley, H., 36.
Bratley, H. E., 14.
Braun, E. W., 7.
Brautlecht, L. M., 13.
Bray, C. I., 36.
Bray, Mrs. J. L., 2.
Bray, Mrs. M. M., 44.
Bray, R. H., 21.
Brayton, H. R., 86.
Brazie, D., 27.
Breaux, S. T., 37.
Breazeale, D. F., 28.
Breazeale, J. F., 3.
Breckenridge, B., 29.
Breed, R. S., 65.
Bregger, J. T., 94.
Bregger, T., 80.
Brehm, C. E., 85.
Breithaupt, L. R., 75.
Brekke, J. E., 69.
Brennen, C. A., 56.
Brentzel, W. E., 68.
Bressman, E. N., 76.
Brew, J. D., 62.
Brewbaker, H. E., 46.
Brewer, P. H., 24.
Brewer, S. L., 63.
Brewster, C. M., 93.
Brewster, S. F., 2.
Bride, M. I., 88.
Bridgford, R. O., 48.
Brierley, W. G., 48.
Briggs, F. N., 6.
Briggs, G. M., 96, 97.
Briggs, I. A., 3.
Brigham, B. L., 20.
Brink, R. A., 97.
Brinton, G., 72.
Briscoe, C. F., 49.
Briscoe, J. M., 38.
Brislawn, M. E., 93.
Brison, F. R., 87.
Britton, W. E., 12.
Brock, J. E., 26.
Brock, J. H., 22.
Brockman, H., 74.
Brockman, R. C., 27.
Brodie, A., 19.
Brodie, H. W., 19.
Brody, S., 51.
Broerman, A., 71, 72.
Brokaw, W. H., 54.
Brooker, M. A., 14.
Brookins, F. A., 64.
Brooks, A. N., 15.
Brooks, E. C., 66.
Brooks, F. D., 26.
Brooks, F. G., 14.
Brooks, F. M., 23.
Brooks, H. J., 32.
Brooks, L. R., 10.
Brooks, S. D., 50.
Brooks, W., 35.
Broome, F. H., 85.
Brough, T. J., 99.
Broughton, L. B., 39.
Brouse, E. M., 55.
Brown, Mrs. A. P., 89.
Brown, B. A., 11.
Brown, C. A., 22.
Brown, Carlotta M., 47.
Brown, Clara M., 47.
Brown, E. F., 93.
Brown, E. S., 84.
Brown, F., 78.
Brown, F. E., 27.
Brown, F. J., 47.
Brown, F. L., 4.
Brown, G. A., 42.
Brown, G. G., 77.

Brown, G. L., 83.
Brown, H. B., 36.
Brown, H. D., 71, 73.
Brown, H. J., 70.
Brown, H. L., 14.
Brown, H. M., 43.
Brown, J., 2.
Brown, J. B., 7.
Brown, J. G., 4.
Brown, L., 50.
Brown, L. A., 35.
Brown, M., 79.
Brown, M. A., 70, 72.
Brown, M-E., 55.
Brown, M. G., 38.
Brown, M. J., 99.
Brown, O., 2.
Brown, P. E., 29.
Brown, P. T., 24.
Brown, R. M., 47.
Brown, S. M., 6.
Brown, W. F., 32.
Brown, W. L., 17.
Brown, W. S., 76.
Browne, T. E., 67.
Brownell, S. J., 62.
Brownfield, W. W., 70.
Browning, H. W., 80.
Broyles, W. A., 78.
Brubaker, H. W., 32.
Bruce, C. H. (Pa.), 78.
Bruce, C. H. (W. Va.), 95.
Bruce, Mrs. M. R., 56.
Bruce, O. C., 38.
Brudwick, Mrs. J. E., 46.
Brueckner, H. J., 62.
Brumbaugh, N. M., 74.
Brumley, F. W., 14.
Brumley, O. V., 69.
Brundage, A. J., 12.
Bruner, E., 33.
Brunig, M. P., 55.
Brunner, H., 26.
Brunson, A. M., 31.
Brunson, M. H., 82.
Bryan, A. A., 29.
Bryan, A. B., 82.
Bryan, K. V., 24.
Bryan, L. W., 19.
Bryan, O. C., 14.
Bryan, R., 19.
Bryan, W. E., 4.
Bryant, R. L., 91.
Bryant, T. R., III, 35.
Bryden, C. T., 93.
Bryson, H. R., 32.
Buchanan, D. S., 49.
Buchanan, F. A., 91.
Buchanan, J. H., 27.
Buchanan, R. E., 27.
Buchanan, W. D., 93, 94.
Buchanan, W. M., 82.
Buckey, N., 39.
Buckley, M. R., 85.
Buckman, H. O., 62.
Buckman, T. E., 56.
Buckner, G. D., 34.
Buehler, C. A., 84.
Buff, B. A., 67.
Bulger, R. O., 83.
Bull, H., 13.
Bull, Mrs. H., 64.
Bull, H. B., 46.
Bull, I. F., 63.
Bull, S., 21.
Bullard, J. F., 26.
Bullis, D. E., 75.
Bullis, K. L., 42.
Bullock, J., 67.
Bumpas, R., 99.
Bundy, V. E., 71.
Bunnell, C. E., 3.
Buol, Mrs. M. S., 56.
Burch, J. W., 50.
Burd, J. S., 6.
Burdette, R. C., 60.
Burdick, H., 80.
Burdick, R. T., 10.
Burg, A. G., 49.
Burge, C. A., 78.
Burgess, Mrs. I. M., 37.
Burgess, J. P., 82.
Burgess, P. S., 3.
Burgoyne, D. A., 89.
Burgwald, L. H., 70.
Burk, E. F., 97.
Burke, A. D., 1.
Burke, E., 53.
Burke, V., 93.
Burkhart, L. F., 19.
Burkhart, W. C., 17.
Burkholder, C. L., 26.
Burkholder, W. H., 65.
Burleson, D. J., 4.
Burleson, G. L., 36.
Burlison, W. L., 21.
Burnam, A., 35.
Burnett, E. A., III, 54.
Burnett, L. C., 29.
Burnett, W. L., 10.
Burnham, D. R., 61.
Burnham, S. H., 62.
Burns, A. E., 76.
Burns, F. W., 1.
Burns, G. P., 90.
Burns, Mrs. K. Van A., 22.
Burns, P. W., 87.
Burns, R. H., 98.
Burr, W. H., 52.
Burr, W. W., 54.
Burrage, C. H., 35.
Burrell, A. B., 65.
Burrell, R. C., 70.
Burrier, A. S., 75.
Burrington, W. D., 43.
Burritt, A. B., 15.
Burrows, J. A., 73.
Burruss, J. A., III, 91.
Burson, S., 16.
Burt, F. A., 87.
Burt, H. J., 52.
Burt, J. H., 33.
Burt, N., 43.
Burt, U. S., 76.
Burton, Mrs. H. K., 5.
Burton, T. H., 1.
Burwash, G., 90.
Burwash, M. G., 23.
Busby, A. T., 50.
Bushey, D. J., 64.
Bushnell, J., 73.
Bushnell, L. D., 31.
Bushnell, T. M., 24.
Bussell, F. P., 64.
Bussey, A. S., 16.
Butcher, F. D., 31.
Butler, L. W., 30.
Butler, O. R., 56.
Butt, Mrs. G. L., 64.
Butterfield, H. M., 7.
Butters, M., 58.
Butterworth, J. E., 63.
Button, F. C., 58, 59.
Butts, G. S., 65.
Bux, J. H., 5.
Byer, E., 52.
Byers, G. B., 22.
Byers, Mrs. M. D., 43.
Byram, H. M., 28.
Byrne, C. D., 77.
Byrne, W. H., 91.
Byrom, M. H., 87.

Cadley, E. M., 71.
Cady, E. L., 28.
Cady, L. C., 20.
Cagle, L. R., 91.
Cain, C. B., 50.
Cain, C. E., 49.
Caine, A. B., 27.
Caine, G. B., 88.
Caldwell, A. B., 83.
Caldwell, L. M., 35.
Calhoun, F. H. H., III, 81.
Call, L. E., 31.
Callahan, E., 70.
Callan, S., 64.
Callaway, M., 16.
Callenbach, E. W., 79.
Calloway, C. J., 2.
Calvert, S., 51.
Camburn, O. M., 90.
Cameron, G. M., 84.
Cameron, H. C., 95.
Cameron, S. H., 9.
Cameron, T. H., 67.
Camp, A. F., 14.
Camp, W. H., 70.
Campbell, D., 60.
Campbell, E., 16.
Campbell, F. L., III.
Campbell, J. C., 59.
Campbell, J. P., 15.
Campbell, Mrs. L. H., 43.
Campbell, M., 56.
Campbell, M. H., 90.
Campbell, M. V., 51.
Campbell, R., 38.
Campbell, T. M., 2.
Campbell, W. A., 85.
Campbell, W. W., 6.
Canavan, F. T., 40.
Cance, A. E., 41.
Canfield, H., 52.
Cannon, C. L., 50.
Cannon, C. Y., 27.
Cannon, H. C., 12.
Cannon, J. C., 1.
Canon, H., 64.
Capó, B. G., 80.
Capps, F., 67.
Card, C. G., 45.
Card, D G., 35.
Card, L. E., 21.
Cardinell, H. A., 44.
Cardon, P. V., 88.
Carl, F. L., 52.
Carlson, J. W., 89.
Carlyle, E. C., 86.
Carmichael, B. E., 39.
Carncross, J. W., 58, 59.
Carnes, A., 1.
Carney, M., 64.
Carns, A. G., 4.
Carodemos, P. P., 81.
Carpenter, C. A., 10.
Carpenter, C. E., 11.
Carpenter, C. W., 19.
Carpenter, D. C., 65.
Carpenter, E. S., 41.
Carpenter, J. W., jr., 49.
Carpenter, O. L., 88.
Carpenter, P., 53.
Carpenter, R. W., 39.
Carr, J. M., 17.
Carr, R. B., 50.
Carr, R. G., 43.
Carr, R. H., 24.
Carrero, J. O., 80.
Carrick, C. W., 26.
Carrick, D. B., 64.
Carrigan, J. E., 90.
Carrington, O. R., 40.
Carroll, F. E., 87.
Carroll, G. W., 49.
Carroll, W. E., 21.
Carroll, W. R., 15.
Carter, C. E., 51.
Carter, D. G., 5.
Carter, E. G., 88.
Carter, G. S., 66.
Carter, H. M., 36.
Carter, J., jr., 61.
Carter, L. M., 16.
Carter, M. B., 74.
Carter, R. A., 2.
Carter, W. T., 87.
Cartwright, O. L., 82.
Carver, G. W., 2.
Carver, J. S., 94.
Carver, W. A., 15.
Cary, C. A., 1, 2.
Casanova, O. B., 50.
Case, H. C. M., 22.
Case, L. A., 76.
Case, L. I., 91.
Cassel, L. W., 94.
Casselberry, R. D., 79.

Cassidy, G. H., 19.
Castro, J., 18.
Catala, J. Varas-, 80.
Cathcart, C. S., 58, 59.
Catherwood, M. P., 62.
Cation, D., 10.
Caulfield, W. J., 32.
Caum, E. L., 19.
Cavanaugh, G. W., 62.
Cave, H. W., 32.
Caveness, H. L., 67.
Cavert, W. L., 47.
Cawood, M., 45.
Cessna, R. B., 29.
Chace, E. P., III, 79.
Chaddock, T. T., 54.
Chadwell, A. J., 84.
Chadwick, L. C., 71.
Chadwick, N., 63.
Chamberlain, C. W., 45.
Chamberlain, F. W., 45.
Chamberlain, J. S., 41.
Chamberlin, N. S., 59, 60.
Chamberlin, V. D., 72.
Chamberlin, W. J., 76.
Chandler, E. B., 82.
Chandler, F. B., 37.
Chandler, W. H., 8.
Chandler, W. L., 45.
Chaney, M. S., 33.
Chapman, C. H., 15.
Chapman, C. J., 98.
Chapman, C. W., 45.
Chapman, C. W. L., 38.
Chapman, G., 28.
Chapman, H. D., 6.
Chapman, I. N., 32.
Chapman, J. E., 68.
Chapman, P. J., 92.
Chapman, P. W., 16.
Chapman, R. N., 47.
Chardón, F., 80.
Charles, F. E., 33.
Charles, F. G., 71.
Charles, T. B., 56.
Charlton, D. B., 75.
Chase, M. L., 23.
Chase, W. W., 47.
Cheatham, E., 85.
Cheney, C. T., 28.
Cheney, I. H., 38.
Chenoweth, W. W., 41.
Cherrington, V. A., 20.
Cherry, W. F., 26.
Chesnutt, S. L., 1.
Chestnutt, R. H., 91.
Cheyney, E. G., 47.
Child, A. M., 47.
Childs, L., 77.
Childs, N. F., 14.
Childs, R. R., 15.
Chiles, S. H., 51.
Chittenden, A. K., 44.
Chittenden, D. W., 50.
Choppin, A. R., 36.
Christ, J. H., 20.
Christensen, A., 99.
Christensen, F. W., 68.
Christensen, J. J., 48.
Christenson, J. E., 7.
Christgan, R. J., 48.
Christian, W. J., 52.
Christopher, E. P., 81.
Christopher, R. C., 2.
Christopher, W. N., 36.
Chrysler, M. A., 58.
Chubb, A. M., 79.
Chun, W. S., 18.
Chung, H. L., 18.
Chupp, C. D., 65.
Church, C., 39.
Church, C. B., 41.
Churchill, B. R., 43, 45.
Churchill, G. W., 66.
Churchill, O. O., 68.
Churchill, V. L., 12.
Chute, H. M., 60.
Claassen, P. W., 63.
Clancey, N. M., 16.
Clapp, A. L., 31.
Clapp, E. V. W., 12.
Clapp, R., 38.
Clapp, S. C., 67.
Clark, A. J., 42.
Clark, A. W., 65.
Clark, C. D., 12.
Clark, C. E., 40.
Clark, C. F., 45.
Clark, C. M., 1.
Clark, E. R., 48.
Clark, E. S., 59.
Clark, F. H., 44.
Clark, H. E., 58.
Clark, I. F., 52.
Clark, J. H., 59, 60.
Clark, J. S., 37.
Clark, K. A., 39.
Clark, L. D., 7.
Clark, M. J., 37.
Clark, M. R., 55.
Clark, N. A., 27.
Clark, O. L., 40.
Clark, R. F., 25.
Clark, S. P., 3.
Clark, S. W., 88.
Clark, T. B., 95.
Clark, W. E., 56.
Clark, W. N., 98.
Clark, W. W., 97.
Clarke, E., 93.
Clarke, G. B., 47.
Clarke, M. K., 42.
Clarke, W. P., 17.
Clausen, R. E., 8.
Claybaugh, J. H., 55.
Claypool, L. L., 94.
Clayton, Mrs. C. B., 89.
Clayton, E. E., 65.
Claytor, Mrs. B., 87.
Cleaver, H. M., 26.
Cleland, S. B., 47.
Clemens, L. I., 44.
Clemensen, E., 29.
Clement, S. L., 49.
Clements, H. F., 93.
Cleveland, W. A., 68.
Clevenger, W. L., 66.
Cline, A. S., 66.
Cline, J. A., 52.
Cline, R. W., 95.
Clinton, G. P., 12.
Clow, B., 53.
Clutter, J. A., jr., 86.
Clyde, A. W., 28.
Clyde, G. D., 89.
Coates, C. E., 36.
Cobb, A. D., 13.
Cobb, E. M., 38.
Cobb, J. S., 77.
Cobb, W. B., 66.
Cochran, G. W., 75.
Cochran, R. L., 27.
Cocke, R. P., 92.
Cockerill, P. W., 61.
Code, W. E., 10.
Cody, M. D., 15.
Coe, F. M., 89.
Coe, M. H., 32.
Coen, B. F., 10.
Coffey, J. S., 69.
Coffey, W. C., 46.
Coffin, M., 39.
Coffin, R. G., 10.
Coffman, L. D., 46.
Coggin, W. B., 91.
Coggins, C. L., 81.
Cohee, C. M., 26.
Coke, J. E., 6.
Colby, A. S., 23.
Colby, W. G., 59, 60.
Coldwater, K., 52.
Cole, C. L., 48.
Cole, H. H., 6.
Cole, H. L., 93.
Cole, L. J., 97.
Cole, R. C., 45.
Cole, R. H., 55.
Cole, W. C., 6.
Cole, W. R., 42.
Coleman, I. L., 15.
Coleman, J. M., 14.
Coleman, O. T., 52.
Coleman, T. A., 25.
Coles, E. H., 34.
Coles, J. V., 52.
Collentine, A. O., 96.
Collier, L., 16.
Collings, G. H., 81.
Collins, E. V., 28.
Collins, I. D., 8.
Collins, J. L., 8, 19.
Collins, M., 15.
Collins, T., 88.
Collins, W. O., 16.
Collison, R. C., 66.
Collopy, M. G., 11.
Colman, H. N., 75.
Colón, I. A., 80.
Colovos, N. F., 56.
Colver, C. W., 32.
Colwell, R. H., 95.
Combs, L. R., 30.
Combs, W. B., 46.
Comfort, J. E., 50.
Comin, D., 73.
Comish, N. H., 75.
Commons, J. A., 96.
Compere, H., 7.
Compton, L. E., 24.
Conant, G. E., 5.
Condit, I. J., 8.
Cone, W. H., 20.
Conn, H. J., 65.
Connaway, J. W., 52.
Connell, W. B., 78.
Connelly, R. G., 58.
Conner, A. B., 86.
Conner, S. D., 24.
Connors, C. H., 59, 60.
Conover, J. A., 39.
Conrad, C. M., 40.
Conrad, J. P., 6.
Conrey, G. W., 71, 72.
Converse, B., 30.
Conway, W. T., 61.
Cook, G. C., 69.
Cook, H. A., 19.
Cook, L. E., 67.
Cook, M. T., 80.
Cook, R. L., 45.
Cook, W. C., 53.
Cooke, A. F., jr., 79.
Cooke, C. E., 48.
Cooke, H., 11.
Cookinham, H. B., 29.
Cooledge, S. M., 44.
Cooley, E. B., 41.
Cooley, E. C., 70.
Cooley, J. L., jr., 50.
Cooley, L. M., 72, 84
Cooley, R. A., 53.
Cooley, R. B., 24.
Coons, C. M., 74.
Cooper, H. P., 62.
Cooper, J. F. 14.
Cooper, J. R., 5.
Cooper, T. P., III, 34.
Coover, W. F., 27.
Cope, H. N., 79.
Cope, J. A., 63.
Cope, R. P., 93.
Copeland, E. B., 6.
Copeland, J. T., 49.
Copeland, O. C., 86.
Copley, T. L., 92.
Copson, G. V., 75.
Corbett, L., 43.
Corbett, L. S., 37.
Corbett, R. A., 69.
Corbett, R. B., 81.
Corbin, F., 55.
Cordley, A. B., 75.
Corkins, C. L., 98.
Cornelison, A. H., 19.
Cornelius, E., 67.
Cornell, F. D., jr., 95.
Cornwall, C. C., 64.
Correll, E. R., 50.
Coruthers, J. M., 5.
Cory, E. N., 39.
Cory, V. L., 86.

Cosby, H. E., 77.
Cosby, S. W., 6.
Costello, G., 56.
Cotner, F. B., 53.
Cotner, J. B., 66.
Cotterman, H. F., 39.
Coulson, E. J., 32.
Coulter, H. B., 67.
Counts, S. J., 2.
Court, W. F., 6.
Courtney, J., 64
Courtney, W. D., 77.
Covault, C. H., 30.
Covell, M. R., 37.
Cover, S., 52.
Covington, N. G., 94.
Cowan, E. W., 51.
Cowan, L., 52.
Cowan, Mrs. M. S., 93.
Cowart, R., 49.
Cowden, J. M., 28
Cowen, T. N., 2.
Cowgill, H. J., 76.
Cowles, H. T., 80.
Cowles, I. F., 33.
Cowles, M. L., 97.
Cowser, M. N., 51.
Cowsert, W. C., 49.
Cox, H. R., 59.
Cox, J. F., 42.
Cox, R. F., 61.
Cox, R. W., 47.
Coyne, S. E., 81.
Crabb, G. A., 15.
Craddock, M. A., 93.
Craft, W. A., 73.
Craig, R. A., 26.
Craig, W. T., 64.
Crain, L. D., III, 9.
Cramer, A. J., 96.
Crampton, G. C., 41.
Crandall, F. K., 80.
Crandall, L. B., 11.
Crandall, W. G., 82.
Crandall, W. T., 62.
Crane, A. G., III, 98.
Crane, D., 95.
Crane, F. H., 21.
Crane, G. B., 69, 70.
Cranor, K. T., 29.
Cratty, R. I., 27.
Crawford, C. H., 73.
Crawford, C. W., 21.
Crawford, D. L., 18.
Crawford, R. F., 61.
Crawford, R. P., 55.
Cray, R. E., 71.
Creech, B. F., 94.
Creel, C. W., 56.
Cremeans, L., 3.
Cresap, Mrs. I. K., 15.
Creswell, E. V., 16.
Creswell, M., 49.
Creswell, M. E., III, 16.
Crews, A. P., 2.
Crews, C. E., 31.
Crim, R. F., 46.
Crisler, O. S., 52.
Crist, J. W., 44.
Criswell, J. F., 86.
Crittenden, A. L., jr., 17.
Crocheron, B. H., 6.
Cromer, C. O., 77.
Cromer, S. S., 25.
Crosby, C. R., 63.
Crosby, J. E., jr., 51.
Cross, C. B., 74.
Cross, F., 11.
Cross, F. B., 75.
Crouch, H. B., 64.
Crouley, Mrs. R. U., 48.
Crowe, E. 97.
Crowe L. K., 54.
Crowley, D. J., 94.
Crown, R. M., 15.
Croy, O. C., 70.
Cruess, W. V., 8.
Crum, L. V., 30.
Crumley, J. J., 72.
Crutcher, B. H., 68.
Cubbon, M. H., 40.
Culbertson, C. C., 27.
Culbertson, J. L., 93.
Cullinan, F. P., 26.
Cummings, J. L., 67.
Cummings, M. B., 90.
Cunningham, Mrs. A. P., 92.
Cunningham, G. V., 16.
Cunningham, J. C., 30.
Cunningham, O. C., 61.
Cunningham, W. S., 3.
Cunov, H. F., 35.
Cupery, M. E., 41.
Curie, I. H., 72.
Currence, T. M., 48.
Currey, E. A., 50.
Currin, R. E., 82.
Currin, R. E., jr., 67.
Curry, A. S., 61.
Curtis, A. W., 95.
Curtis, H. E., 35.
Curtis, N., 59, 60.
Curtis, O. F., 62.
Curtis, P. B., 26.
Curtis, R. W., 64.
Curtis, W. C., 52.
Curtiss, C. F., 27.
Cushman, H. E., 53.
Cushman, M. E., 64.
Cuthbert, F. A., 77.
Cutler, F. M., 41.
Cutler, G. H., 24.
Cutler, J. S., 72.
Cutler, W. L., 42.
Cutright, C. R., 72.

Dadisman, A. J., 95.
Dadisman, S. H., 98.
Daggett, A. F., 57.
Dahl, A. von B., 18.
Dahlberg, A. C., 65.
Dahle, C. D., 78.
Daken, E. L., 71.
Dakin, Mrs. M. E., 12.
Dalbey, N. E., 31.
Dameron, W. H., 88.
Damon, S. C., 80.
Dana, B. F., 87.
Dancy, C. E., 89.
Danforth, S. T., 80.
Daniel, D. M., 65.
Daniels, H. E., 82.
Daniels, L. B., 10.
Dann, R. H., 75.
Darago, V., 60.
Dargan, E. P., 5.
Darlington, H. T., 42.
Darlow, A. E., 73.
Darnell, A. L., 86.
Darrow, W. H. (Conn.), 12.
Darrow, W. H. (Tex.), 87.
Darst, R. M., 25.
Darst, W. H., 66.
Das, U. K., 19.
Daugherty, M. M., 13
Davenport, I., 36.
Davenport, R. L., 36.
Davidson, A. P., 32.
Davidson, J. B., 28.
Davidson, O. W., 59.
Davies, E. S., 41.
Davies, R. D., 83.
Davis, A. R., 9.
Davis, B. H., 65.
Davis, C. D., 31.
Davis, D., 70.
Davis, E. C., 37.
Davis, E. G., 64.
Davis, F. L., 66.
Davis, G., 75.
Davis, G. E., 30.
Davis, H. L., 76.
Davis, H. P., 54.
Davis, I. G., 12.
Davis, I. P., 82.
Davis, J. E., 63.
Davis, J. J., 25.
Davis, J. T., 85.
Davis, J. W., 95.
Davis, L. D., 8.
Davis, L. E., 19.
Davis, L. G., 10.
Davis, M. B., 76.
Davis, N. W., 30.
Davis, P. O., 1.
Davis, R. (Ill.), 23.
Davis, R. (Wyo.), 99.
Davis, R. H., 34.
Davis, R. J., 42.
Davis, R. L., 80.
Davis, R. N., 4.
Davis, S. P., 86.
Davis, W. A., 66.
Davis, W. E., 31.
Davis, W. H., 40.
Davis, W. J., 17.
Dawson, C. R., 14.
Day, A. M., 99.
Day, E. J., 85.
Day, L. H., 8.
Dean, A. B., 67.
Dean, A. L. (Hawaii) 19.
Dean, A. L. (Va.), 91.
Dean, D. D., 2.
Dean, F. W., 71, 72.
Dean, G. A., III, 32
Dean, H. K., 77.
Dean, J. M., 49.
Dean, L. A., 19.
Dean, L. W., 90.
Dearing, C., 67.
Dearstyne, R. S., 67.
Deatrick, E. P., 94.
Deay, H. O., 25.
DeBaun, R. W., 58, 59.
DeBusk, E. F., 15.
De Camp, J. C., 44
Decker, G. C., 31.
Decker, J. L., 8.
Decker, J. W., 78.
Decker, R. E., 44.
Decker, S. W., 23.
DeCoursey, R. M., 12
Deeley, M. E., 33.
Deering, A. L., 38.
De Forest, D. M., 85.
DeLany, D. C., 63.
Delez, A. L., 48.
DeLong, D. M., 71.
DeLong, G., 69.
Delwiche, E. J., 96, 98.
DeMerritt, D. B., 79.
Deming, G. W., 9.
Deming, M. W., 56.
Denison, F. C., 19.
Denison, H. L., 19.
Denner, S. G., 68.
Dennis, W. V., 78.
Denniston, L. T., 78.
Denny, J. A., 6.
Denson, W. P., 36.
Dent, A., 58.
Dent, J. G., 46.
Den Uyl, D., 25.
DePuy, P. L., 31.
Derbigny, I. A., 92
Derby, G. E., 34.
Derby, H. A., 28
de Regt, A. C., 58.
Derieux, J. B., 67.
De Rose, H. R., 41.
Derrick, W. W., 54.
Detjen, L. R., 13.
De Turk, E. E., 21.
De Vault, S. H., 38.
Devereux, E. D., 45.
Devereux, R. E., 66.
De Volt, H. M., 39.
Dexter, J., 54.
DeYoung, W., 53.
de Zeeuw, R., 42.
Diamond, V. R., 24.
Diaz, M. R., 80.
Dibble, C. B., 43.
Dice, J. R., 68.
Dickens, A., 33.
Dickey, J. A., 5.
Dickey, J. B. R., 77.

Dickey, R. D., 15.
Dickins, D., 49.
Dickinson, E. M., 77.
Dickinson, L. S., 42.
Dickinson, S., 51.
Dickson, F., 65
Dickson, J. G., 97.
Dickson, R. E., 88.
Dickson, R. W., 81.
Dickson, W. F., 3.
Didlake, M. LeG , 35.
Dietrich, M., 95.
Dietrick, L. B., 92.
Diettert, R. A , 20.
Dietz, S. M., 27.
Dike, C. E., 73.
Dillingham, F. T., 18.
Dimitroff, G. E., 11.
Dimock, W. W., 34.
Dinsmore, A. G., 47.
Dinwiddie, M. D., 91.
Dippold, G. J., 51.
Dirks, C. O., 38.
Diseker, E. G., 1.
Dixon, A. A., 67.
Dixon, A. B., 17.
Dixon, E. D., 58.
Doak, C. C., 86.
Doan, F. J., 78.
Doane, H. E., 41.
Dobbins, L., 35.
Dobbs, E. C., 2.
Dobrovolny, C. G., 34
Dodd, D. R., 94.
Dodge, B. F., 97.
Dodge, H. K., 79.
Dodge, R. E., 12.
Dodson, E. M., 8.
Doermann, M. C., 58.
Doggett, M. V., 82.
Dole, E. J., 90.
Dolve, M. A., 83.
Donald, L., 49.
Donaldson, D. N., 10.
Donaldson, R. W., 40.
Donham, C. R., 48.
Donma, K. W., 82.
Donnelly, A. M., 70.
Donovan, R. L., 47.
Doolas, G. Z., 52.
Doran, E. B., 36.
Doran, W. L., 40.
Dorchester, C. S., 29.
Dore, W. H., 6.
Dorman, J. A., 82.
Dorner, H. B., 23.
Dorsey, E., 64.
Dorsey, H., 11.
Dorsey, L. M., 37.
Dorsey, M. J., 23.
Dosdall, L., 48.
Dossin, C. O., 79.
Doten, S. B., 56.
Doty, D. M., 26.
Doty, R. E., 19.
Dougherty, J. E., 9.
Douglas, R. A., 55.
Douglass, D., 53.
Douglass, E., 10.
Dove, W. F., 38.
Dow, G. F., 38.
Dowdle, V. E., 89.
Dowdy, G., 70.
Dowdy, W. V., 16.
Dowdy, W. W., 53.
Dowell, A. A., 48.
Dowell, C. T., 36.
Dowler, J. F., 70, 72.
Down, E. E., 44.
Downes, D. B., 13.
Downs, P. A., 54.
Doxtator, C. W., 46.
Doyle, L. P., 26.
Dozois, K. P., 78.
Drain, B. D., 42.
Drain, L., 95.
Drake, C. J., 31.
Drake, J. F., 2.
Dreesen, W. H., 75.
Dreibelbis, F. R., 72.
Dressel, K., 44.
Drew, J. M., 48.
Driftmier, R. H., 32.
Driggers, B. F., 60.
Drinkard, A. W., jr., 91.
Drollinger, P. H., 29.
Dufault, L. A., 58.
Duffee, F. W., 96.
Duffy, J. H., 19.
Duggan, I. W., 82.
Duggar, J. F., 2.
Dukes, H. H., 30.
Duley, F. L., 31.
Dummeier, E. F., 93.
Dunavan, D., 82.
Dunbar, B. A., 83.
Duncan, C. W., 43.
Duncan, H. R., 84.
Duncan, J. R., 44.
Duncan, L. N., III, 1.
Duncan, O. D., 74.
Dundas, M. E., 44.
Dunford, C. S., 43.
Dungan, G. H., 21.
Dunham, D. H., 24.
Dunham, R. S., 48.
Dunham, W. E., 71.
Dunkle, P. B., 88.
Dunlap, G. L., 42.
Dunlavy, H., 88.
Dunn, L. C., 12.
Dunn, R. C., 87.
Dunn, S. J., 56.
Dunnewald, T. J., 98.
Dunning, F., 47.
Dunning, R. G., 90.
Durant, A. J., 52.
DuRant, A. L., 81.
Durham, G. B., 81.
Durham, H., 32.
Durrell, L. W., 10.
Duruz, W. P., 77.
DuSault, D. D., 20.
Dusham, E. H., 79.
Dustman, R. B., 94.
Dutcher, R. A., 78.
Duthie, M. E., 65.
Dutton, W. C., 44.
Duval, A., 19.
Dvoracek, D. C., 47.
Dvorachek, H. E., 4.
Dyas, E. S., 29.
Dye, A. P., 95.
Dye, Mrs. E. W., 79.
Dye, M., 44.
Dykstra, R. R., 33.
Dynes, O. W., 84.
Dynes, R. C., 69.

Eads, R. A., 86.
Eames, A. J., 62.
Earle, S. B., III.
Earle, S. W., 91.
Earley, E. B., 21.
Eastman, M., 20.
Eastman, M. G., 57.
Eastwood, G. R., 70.
Eaton, T. H., 63.
Eaton, W. H., 1.
Eberle, A. M., 83.
Eby, L. K., 21.
Eck, H. W., 43.
Eckert, J. E., 99.
Eckles, C. H., 46.
Eddins, A. H., 15.
Eddy, C. O., 82.
Eddy, G. C., 10.
Eddy, H. G., 7.
Edgar, A. D., 43.
Edgar, R. H., 27.
Edgerton, C. W., 36.
Edgington, B. H., 71, 72.
Edinger, P. L., 78.
Edlefsen, N. E., 89.
Edmonds, J. L., 21.
Edmondson, C. H., 18.
Edmondson, W. O., 98.
Edson, A. W., 48.
Edwards, B., 87.
Edwards, C. W., 18.
Edwards, F. M., 77.
Edwards, F. R., 17.
Edwards, H., 80.
Edwards, L. S., 85.
Edwards, P. R., 34.
Edwards, W. G., 79.
Edwards, W. R., jr., 36.
Eggersgluess, E. A., 3.
Eggerton, B. L., 49.
Eheart, J. F., 91.
Ehlers, Mrs. M., 44.
Eide, C. J., 36.
Einset, O., 66.
Eke, P. A., 20.
Elcan, G. A., 91.
Elder, C., 99.
Eldredge, J. C., 29.
Ellenberger, H. B., 90.
Ellenwood, C. W., 73.
Eller, W. H., 18.
Ellett, W. B., 91.
Elling, C. G., 31.
Ellington, E. V., 93.
Elliot, S. A., 2.
Elliott, E. C., III, 24.
Elliott, Mrs. J. E., 85.
Elliott, N., 69.
Elliott, N. R., 35.
Ellis, B. W., III, 11.
Ellis, E. E., 57.
Ellis, H., 8.
Ellis, O. I., 21.
Ellis, W. W., 84.
Ellison, W. M., 80.
Ellithorp, R. W., 74.
Elmer, O. H., 31.
Elser, W. L., 61.
Elting, E. C., 81.
Elwell, S. B., 55.
Elwood, C. F., 8.
Elwood, P. H., jr., 30.
Ely, F., 34.
Emack, E., 39.
Emberson, R. H., 51.
Embleton, H., 4.
Embody, G. C., 63.
Emelianoff, I. V., 58.
Emerson, D., 39.
Emerson, P., 29.
Emerson, R. A., 64.
Emery, H. M., 81.
Emmel, M. W., 45.
Emmert, E. M., 35.
Emmons, T. M., 40.
Ende, C. L. von, 20.
Enders, H. E., 24.
Enfield, G. H., 24.
Engbretson, A. E., 77.
Engle, E. B., 54.
Englehorn, A. J., 29.
English, L., 62.
English, L. L., 2.
English, P. F., 86.
Englund, A., 89.
Ensign, M. R., 15.
Eppel, A. I., 52.
Epple, W. F., 24.
Eppley, G. F., 38.
Eppse, M. R., 85.
Eppson, H. F., 98.
Erb, E. S., 78.
Erb, J. H., 70.
Erdman, H. E., 7.
Erf, O., 69.
Erickson, T. A., 47.
Erikson, S. E., 35.
Ernsting, A. D., 23.
Ervin, E., 85.
Erway, Mrs. D. W., 64.
Erwin, A. T., 30.
Eskew, W. C., 35.
Esper, H. C., 71, 73.
Esplin, A. C., 88.
Essary, S. H., 84.
Essick, Mrs. M. S., 63.
Essig, E. O., 7.
Estabrook, H. N., 67.
Esten, W. M., 11.
Eswine, H. E., 70.
Etheridge, W. C., 51.
Ethridge, L., 17.

Eubank, M. E., 95.
Euren, M. G., 53.
Evans, B. V., 50.
Evans, E. B., 88.
Evans, H. M., 8.
Evans, M., 32.
Evans, S. W., 82.
Evans, W. H., II.
Evaul, E. E., 60.
Everett, G. A., 63.
Everhardy, L. H., 33.
Evvard, J. M., 27.
Ewing, D. T., 43.
Ewing, T. A., 50.
Eyer, J. R., 61.
Ezekiel, W. N., 87.

Faber, J. E., jr., 39.
Fabian, F. W., 45.
Fabricius, N. E., 28.
Fackler, H. L., 85.
Fader, Mrs. F. E., 13.
Fagan, F. N., 79.
Fagan, H. D., 84.
Fain, J. R., 15.
Fairbank, J. P., 7.
Fairbanks, A. B., 90.
Fairbanks, B. W., 9.
Fairbanks, F. L., 63.
Falconer, J. I., 70, 72.
Fancher, H. W., 8.
Faneuf, L. J., 59.
Fankhauser, P. P., 70.
Fant, G. W., 66.
Farden, B., 19.
Farden, C. A., 19.
Fargo, J. M., 96.
Farley, A. J., 59.
Farley, D. C., 83.
Farley, G. L., 41.
Farley, H., 33.
Farmer, J. K., 86.
Farmer, L. E., 16.
Farnham, C. H., 21.
Farnham, F. R., 66.
Farnum, P. E., 57.
Farquharson, J., 11.
Farr, A. G., 57.
Farr, J. L., 36.
Farrand, L., 62.
Farrar, C. L., 41.
Farrell, F. D., 31.
Farrell, H. F., 88.
Farrington, E. H., 96.
Farris, N. F., 59, 60.
Farwell, G. M., 34.
Fasten, N., 77.
Fauber, H., 10.
Faulkner, J. G., 84.
Faurot, F. W., 52.
Faust, H., 8.
Favara, J. B., 21.
Fawcett, C. J., 40.
Fawcett, H. S., 9.
Fay, A. C., 31.
Featherly, H. I., 73.
Fedde, M. S., 55.
Feeley, R. O., 82.
Feese, D. M., 54.
Feldkamp, C. L., II
Feldman, E. B., 89.
Fellers, C. R., 42.
Fellows, H., 31.
Feltner, J. M., 35.
Felton, F. E., 41.
Felton, R. A., 65.
Felts, R. H., 10.
Fenger, J. A., 49.
Fenn, F. U., 83.
Fenstermacher, R., 48.
Fenton, F., 64.
Fenton, F. C., 32.
Fenton, Mrs. I., 5.
Fergus, E. N., 34.
Ferguson, Mrs. A. M., 39.
Ferguson, C. M., 71.
Ferguson, C. W., 10.
Ferguson, E., 82.
Ferguson, F. A., 12.
Ferguson, F. E., 30.
Ferguson, J. A., 79.
Fernald, H. T., 41.
Fernandes, G. C., 74.
Fernández-García, R., 80.
Fernow, K. H., 65.
Ferrin, E. F., 46.
Ferriss, E. N., 63.
Ferry, E. S., 26.
Feurestenau, W., 84.
Ficht. G. A., 25.
Fick, G. L., 1.
Fieger, E. A., 36.
Field, A. M., 46.
Figueroa, C. A., 80.
Filinger, G. A., 72.
Filley, H. C., 55.
Filley, W. O., 13.
Finch, A. H., 97.
Findley, H. E., 95.
Finlayson, H. C., 69.
Finn, W. G., 34.
Finnell, H. H., 74.
Firkins, B. J., 29.
Firor, G. H., 16.
Firor, J. W., 16.
Fish, Mrs. B. O., 47.
Fish, E. E., 35.
Fisher, G. (Iowa), III, 29.
Fisher, G. (Okla.), 74.
Fisher, H. J. (Conn.), 11, 12.
Fisher, H. J., (Minn.), 47.
Fisher, M. C., 29.
Fisher, M. L., 24.
Fisher, M. S., 59.
Fisher, W. I., 64.
Fiske, J. G., 58, 60.
Fitch, C. L., 30.
Fitch, C. P., 48.
Fitch, F. W., 16.
Fitch, J. B., 32.
Fitch, W. Q , 25.
Fite, A. B., 61.
Fitschen, F., 35.
Fitts, E. B., 78.
FitzGerald, D. A., 28.
Fitzgerald, M., 74.
Fitzgerald, N. E., 85.
Fitzgerald, O. A., 20.
Fitzpatrick, H. M., 65.
Fitzsimmons, Mrs. D. P., 29.
Fitzsimmons, J. R., 30.
Flack, M. L., 54.
Flanders, S. E., 7.
Flanery, C. C., 84.
Flansburgh, E. A., 63.
Fleenor, B. H., 32.
Fleming, B., 2.
Fleming, C. E., 56.
Fleming, J. R., 71.
Fleming, S. T., 14.
Fletcher, R. K., 87.
Fletcher, S. W., III, 77, 79.
Flint, W. E., 86.
Flint, W. P., 22.
Flippo, E. G., 79.
Floyd, A., 3.
Floyd, E. V., 33.
Floyd, E. Y., 66.
Floyd, M. M., 82.
Floyd, W. L., 14.
Fluharty, L. W., 7.
Fluke, C. L., jr., 96.
Fogg, H. C., 57.
Fohn-Hansen, Mrs. L O., 3.
Foker, A. M., 48.
Foley, M. E., 41.
Foley, R. C., 40.
Folger, A. H., 6.
Follett, O. A., 96.
Folsom, D., 38.
Foord, J. A., 41.
Foote, C. C., 33.
Foote, W. M., 60.
Forbes, Mrs. D. A., 85.
Forbes, E. B., 79.
Forbes, F., 28.
Forbes, I. L., 48.
Forbes, M. E., 41.
Forbes, W. T. M., 63.
Ford, A. L., 84.
Ford, H. W., 33.
Ford, O. W., 26.
Ford, R. E., 10.
Foresman, G. K., 24.
Forman, L. W., 29.
Forrest, L. A., 16.
Forster, G. W., 67.
Forsyth, W. H., 11.
Fortier, S., 7.
Foster, J. D., 35.
Foster, J. E., 66.
Foster, L. G., 70.
Foster, M., 35.
Foster, M. E., 71.
Foster, M. T., 50.
Fothergill, R. E., 27.
Foulke, C. D., 27.
Foulkrod, G. M., 78
Fourt, D. L., 20.
Foust, H. L., 30.
Fouts, E. L., 74.
Fowlds, M., 83.
Fowler, G. R., 30.
Fowler, J. R., 37.
Fowler, M. B., 64.
Fox, F. E., 77.
Frame, B. H., 51.
Frame, N. T., 94.
France, R. L., 40.
Francioni, J. B., 36.
Francis, L. D., 44.
Francis, M., 87.
Francis, M. D., 43.
Francklow, J. K., 87.
Frandsen, J. H., 40.
Frandsen, P., 56.
Frank, E. R., 33.
Frank, G., 96.
Frank, M. C., 76.
Franke, Mrs. E., 10.
Franke, K. W., 83.
Franklin, F. F., 25.
Franklin, H. J., 42.
Franzke, C. J., 83.
Fraps, G. S., 86.
Fraser, A. C., 64.
Fraser, W. J., 22.
Frayer, J. M., 90.
Frayser, M. E , 82.
Frazier, Mrs. D. M., 74.
Frazier, E., 49.
Frear, D. E., 81.
Freas, R., 36.
Fred, E. B., 96.
Frederick, H. J., 89.
Freeborn, S. B., 7.
Freeman, C. P., 73.
Freeman, E. M., 46.
Freeman, J. F., 34.
Freeman, J. N., 82.
Freeman, J. N., jr., 68.
Freeman, V. A., 42.
Freeman, V. C., 24.
Freeman, W. R., 9.
French, A. P., 42.
French, M. P., 12.
French, R. B., 79.
Friant, R. J. (Iowa), 29.
Friant, R. J. (W. Va.), 94.
Frick, E. J., 33.
Friedemann, L., 75.
Friend, R. B., 13.
Friend, W. H., 88.
Frier, G. M., 25.
Fries, J. A., 79.
Frisbie, L. I., 55.
Fritchoff, A. C., 76.
Fritz, E., 8.
Frodsham, J., 52.
Froker, R. K., 96.
Fromme, F. D., 94.
Frost, H. B., 8.
Frost, S. W., 79.

Frost, W. D., 96.
Fry, J. M., 78.
Frye, W., 31.
Fudge, B. R., 15.
Fudge, J. F., 86.
Fuegas, J. M., 86.
Fuhr, C., 51.
Fuhriman, W. U., 89.
Fujimoto, G., 18.
Fulghum, R. M., 14.
Fuller, E. A., 90.
Fuller, F. D., 87.
Fuller, G. L., 16.
Fuller, J. E., 40.
Fuller, J. G., 96.
Fuller, J. M., 57.
Fuller, O. M., 68.
Fullilove, W. T., 17.
Fulmer, E. I., 27.
Fulscher, H. P., 75.
Fulton, B. B., 67.
Funchess, M. J., 1.
Funk, E. M., 79.
Furnas, Mrs. S. V., 47.
Futrall, J. C., 4.

Gabbard, L. P., 86.
Gabriel, H. S., 13.
Gabrielson, I. N., 77.
Gabrielson, M. L., 29.
Gaddis, L. R., 25.
Gaddum, L. W., 14.
Gaessler, W. G., 27.
Gage, G. E., 40.
Gail, F. W., 20.
Gaines, E. F., 93.
Gaines, F., 88.
Gaines, J. C., jr., 87.
Gaines, N. W., 55.
Gaines, P. C., 53.
Gaines, W. L., 22.
Gainey, P. L., 31.
Gallagher, H. J., 43.
Gallatin, O., 4.
Galloway, J. C., 28.
Galloway, M., 5.
Galloway, Z. L., 34.
Gallup, G., 93.
Gallup, W. D., 73.
Gamble, M. E., 25.
Gambrell, F. M., 65.
Gandy, J. M., 92.
Gannon, E. A., 24.
Gannon, F. A., 29.
Gans, A. R., 90.
Garber, R. J., 94.
Garcia, F., 61.
García, R. Fernández-, 80.
Gard, N. W., 12.
Gardiner, M. J., 82.
Gardner, A. K., 37.
Gardner, F. D., 77.
Gardner, F. E., 39.
Gardner, G., 64.
Gardner, G. R., 92.
Gardner, H. M., 61.
Gardner, J. S., 35.
Gardner, L. P., 37.
Gardner, L. W., 67.
Gardner, M. E., 67.
Gardner, M. W., 24.
Gardner, R., 11.
Gardner, V. R., 42.
Gardner, W., 89.
Gardner, W. A., 1.
Garey, L. F., 47.
Garlock, H. M., 50.
Garman, C. G., 1.
Garman, P., 13.
Garner, I., 29.
Garnett, W. E., 91.
Garren, G. M., 66.
Garrett, C. L., 62.
Garrett, O. F., 22.
Garrett, V. L., 93.
Garrigus, H. L., 11.
Garris, E. W., 14.
Garrison, E. R., 51.
Garside, M. S., 35.
Gartrell, B. M., 16.
Garver, H. L., 93.
Garvey, M. E. M., 40
Garvin, A. L., 71.
Gaskill, E. F., 42.
Gaskill, R., 93.
Gasser, G. W., 3.
Gaston, H. P., 44.
Gaston, T. L., jr., 20.
Gatchell, D. K., 2.
Gates, C. O., 42.
Gates, F. C., 32.
Gates, W. H., 37.
Gatlin, G. O., 75.
Gault, L. V., 35.
Gauntt, F., 59.
Gauss, J. R., 78.
Gay, C. W., 69.
Gaylord, F. C., 26.
Gearhart, C. R., 78.
Gebhardt, H., 96.
Geddes, C. C., 46.
Geddes, J. A., 89.
Gee, E. A., 43.
Geib, H. V., 36.
Geib, W. J., 98.
Geiger, B. J., 76.
Geise, F. W., 39.
Gelbach, R. W., 93.
Gelpi, A. J., jr., 36.
Geltz, C. G., 79.
Gemmell, G. A., 32.
Genaux, C. M., 89.
Gentner, L. G., 43.
Gentry, C. B., 12.
Gentry, C. C., 10.
George, A. G., 55
George, G. D., 48.
Gerber, R. M., 73.
Gerdel, R. W., 72.
Gerhardt, F., 27.
Gericke, W. F., 9.
Gerlaugh, P., 72.
Gershoy, A., 90.
Gesell, Mrs. M. S., 49.
Getman, G. A., 45.
Gettemy, W. S., 44.
Gibbons, E. H., 86.
Gibbons, R. M., 55.
Gibbs, C. S., 42.
Gibbs, J. A., 12.
Gibson, H. H., 76.
Gieger, M., 49.
Gieseker, L. F., 53.
Gifford, W., 51.
Gifford, W. D., 21.
Gilbert, B. E., 80.
Gilbert, C. H., 99.
Gilbert, C. M., 42.
Gilbert, C. S., 98.
Gilbert, C. W., 90.
Gilbert, E. M., 97.
Gilbert, W. A., 22.
Gilbertson, G. I., 83
Gilbertson, L. I., 93.
Gilchrist, D. A., 4.
Gildersleeve, T., 30.
Gildow, E. M., 20.
Gile, B. M., 5.
Gilkey, H. M., 75.
Gill, J., 55.
Gillespie, B. V., 5.
Gillett, C. A., 5.
Gillette, C. P., 9.
Gilligan, G. M., 13.
Gillis, M. C., 23.
Gilman, H., 27.
Gilman, J. C., 27.
Gilman, V. D., 53.
Gilmer, P. M., 32.
Gilmore, F. A., 44.
Gilmore, J. W., 6.
Gilmore, W. J.,
Giltner, W., 45.
Ginn, W. M., 36
Ginsburg, J. M., 58, 60.
Girton, R. E., 24.
Gish, P. T., 91, 92.
Gittel, E. B. H., 19.
Givan, C. V., 7.
Gladding, H. M., 8.
Gladwin, F. E., 66.
Glanton, L. P., 2.
Glaser, A. L., 84.
Glasgow, H., 65.
Glass, J. S., 32.
Glasscock, R. S., 94.
Glatfelter, G. V., 40.
Gleason, F., 14.
Glenn, M. A., 2.
Glick, H. N., 41.
Glocker, T. W., 85.
Glover, A. C., 21.
Glover, G. H., 11.
Glover, L. W., 57.
Gloyer, W. O., 65.
Gobble, C. F., 24.
Gobble, W. S., 52.
Godbey, C. B., 87.
Godbey, E. G., 81.
Godfrey, G. H., 19.
Godkin, J., 91.
Goeder, F. P., 11.
Goldstein, H. I., 47.
Goldstein, V., 47.
Good, E. S., 34.
Good, H. G., 2.
Goodale, B. E., 81.
Goodding, T. H., 54.
Goode, B. L., 95.
Goode, D. M., 77.
Goodearl, G. P., 68.
Gooding, P. H., jr., 81.
Goodman, A. M., 63.
Goodman, J. W., 60.
Goodman, M. A., 10.
Goodsell, S. F., 51.
Goodwin, L. M., 39.
Goodwin, M. W., 13.
Goold, R. H., 22.
Gordon, C. E., 42.
Gordon, C. H., 85.
Gordon, G. E., 6.
Gordon, H. H., 91.
Gordon, K. L., 77.
Gordon, M. A., 49.
Gordon, W. R., 78.
Gore, U. R., 86.
Gorham, E. R., 47.
Gorman, C. F., 16.
Gorman, J. A., 86.
Gorman, N. D., 69.
Gortner, R. A., 46.
Goss, A., 26.
Goss, E. F., 28.
Goss, H., 6.
Goss, L. W., 71.
Goss, R. W., 54.
Gouaux, C. B., 37.
Gould, E., 95.
Gould, G. E., 92.
Gould, G. M., 38.
Gould, H. G., 55.
Gourley, J. H., 71, 73.
Gowen, J. W., 37.
Gowens, Mrs. B. E. B., 14.
Graber, L. F., 96.
Grace, Mrs. M. V., 52.
Graddy, I. C., 35.
Graeber, R. W., 67.
Gragg, J. O., 86.
Graham, E. M., 49.
Graham, J. C., 42.
Graham, K. H., 15.
Graham, R., 21.
Graham, R. E., 79.
Graham, V., 86.
Graham, W. F., 25.
Gramlich, H. J., 54.
Grams, W. T., 62.
Grandprey, M. B., 71.
Granovsky, A. A., 96.
Grant, B. F., 16.
Grant, B. V., 44.
Grant, E. A., 82.
Grantham, G. M., 45.
Gratz, L. O., 15.

Graul, E. J., 98.
Graves, C. L., 44.
Gravitt, W. T., 2.
Gray, D. T , III, 4.
Gray, E. R., 23.
Gray, J., 15.
Gray, J. P., 36.
Gray, T. D., 95.
Greaves, J. E., 88.
Greeley, J. R., 63.
Green, E. L., 65.
Green, F. M., 11.
Green, J. R., 53.
Green, L. B., 43.
Green, Mrs. L. B., 2.
Green, R. M., 32.
Green, T. C., 72.
Green, W. W., 92.
Greenbank, W. K., 72.
Greene, J. G., 55.
Greene, L., 26.
Greene, L. M., 90.
Greene, P. S., 38.
Greene, R. A., 3.
Greene, S. S., 49.
Greene, S. W., 50.
Greenwood, M. L., 61.
Greer, S. J., 50.
Gregg, J. W., 8.
Gregg, Mrs. M. K., 28, 29.
Gregg, O. I., 44.
Gregory, C. T., 24.
Gregory, H. W., 24.
Gregory, R. W., 25.
Gregory, W. H., jr., 1.
Grier, F. A., 6.
Griffee, F., 37.
Griffin, F. L., 7.
Griffith, C. H., 96.
Griffith, M. E., 71, 72.
Griffith, W. I., 28.
Griffiths, F. P., 42.
Grimes, J. C., 1.
Grimes, M. A., 87.
Grimes, W. E., 32.
Grinnells, C. D., 66.
Grinstead, L. R., 51.
Griswold, D J., jr., 68.
Griswold, G. H., 63.
Groendyke, F. L., 59.
Grose, L. R., 41.
Groseclose, H. C., 91.
Gross, D. L., 54.
Gross, E. R., 58, 59.
Gross, L. G., 65.
Grossley, Mrs. H. B., 14.
Grossley, R. S., 14.
Grossman, J. D., 71.
Groves, A. B., 91.
Grunder, M. S , 94.
Grundmeier, E. G., 44.
Grussendorf, D. T., 48.
Guard, A. T., 24.
Guard, W. F., 71.
Guba, E. F., 40.
Guerrant, N. B., 1.
Guerrero, F. B. L., 18.
Guerrero, J., 18.
Gui, H. L., 72.
Guilbert, H. R., 6.
Guise, C. H., 63.
Gulledge, J. R., 50.
Gullickson, T. W., 46.
Gumbart, E. H., 12.
Gunderson, L. E., 55.
Gundlach, M. C., II.
Gunn, R. V., 43.
Gunness, C. I., 41.
Gunns, C. A., 9.
Gunselman, M. A., 33.
Guss, L. S., 83.
Gustafson, A. F., 62.
Guthrie, D. V., 37.
Guthrie, Mrs. E. M., 22.
Guthrie, E. S., 62.
Guthrie, J. E., 31.
Guthrie, M. J., 52.
Guthrie, M. L., 85.
Guthrie, Mrs. M. T., 61.
Guyton, F. E., 2.

Haag, J. R., 75.
Haas, A. J., 98.
Haas, A. R. C., 9.
Haben, E., 67.
Haber, E. S., 30.
Haber, V. R., 79.
Hackedorn, H., 93.
Hackleman, J. C., 21.
Hadden, S. J., 17.
Haddock, E. H., 50.
Haddon, C. B., 37.
Haddon, F. C., 19.
Hadley, F. B., 98.
Hadley, L. B., 47.
Hadley, Mrs. M. P., 25.
Hady, F. T., 83.
Haedecke, A. D., 46.
Haegele, R. W., 20.
Haenseler, C. M., 59, 60.
Hafenrichter, A. L., 93.
Hagan, H. R., 19.
Hagman, I. C., 35.
Haig, F. M., 66.
Haigh, L. D., 51.
Haight, Mrs. K. B., 76.
Haines, G., II.
Hale, F., 86.
Hale, G. A., 17.
Hale, Mrs. H. E., 85.
Hale, W. J., 85.
Hale, W. M., 97.
Haley, D. E., 78.
Haley, S. A., 75.
Halgrim, A. O., 84.
Hall, A. R., 51.
Hall, B., 12.
Hall, E. E., 82.
Hall, G. M., 85.
Hall, G. O., 65.
Hall, H. G., 26.
Hall, H. W., 37.
Hall, I. F., 96.
Hall, J. L., 32.
Hall, L. F., 32.
Hall, O. F., 25.
Hall, O. J., 5.
Hall, R. A., 87.
Hall, S. W., 23.
Hall, W. F., 78.
Haller, F. W., 79.
Halliday, G. E., 26.
Halliday, N., 44.
Halligan, C. P., 44.
Hallman, E. T., 45.
Hallsted, A. L., 34.
Halma, F. F., 9.
Halpin, J. G., 98.
Halversen, W. V., 20.
Halverson, J. O., 66.
Hamblin, A. P., 95.
Hamiel, G. R., 61.
Hamilton, C. C., 58, 60.
Hamilton, C. H., 91.
Hamilton, C. L., 69.
Hamilton, C. M., 94.
Hamilton, D. W., 93.
Hamilton, H. G., 14.
Hamilton, J. G., 4.
Hamilton, J. M. (Mont.), 53.
Hamilton, J. M. (Wis.), 97.
Hamilton, J. O., 33.
Hamilton, R. W., 81.
Hamilton, T. R., 86.
Hamilton, T. S., 21.
Hamilton, W. B., 35.
Haminsky, L. P., 6.
Hamlin, H. M., 28.
Hamlin, M., 41.
Hammans, C. W., 70.
Hammar, C. H., 51.
Hammer, B. W., 28.
Hammer, J. G., 27.
Hammond, R. E., 43.
Hammond, W. E., 27.
Hammons, A. L., 53.
Hamner, A. L., 50.
Hampson, C. C., 93.
Hampson, C. M., 83.
Hampton, L. E., 26.
Hance, F. E., 19.
Hancock, E. R., 45.
Hancock, N., 84.
Hand, W. F., 49.
Handy, J. C., 12.
Hanna, F. J., 33.
Hanna, G. C., 8.
Hanna, L. C., 3.
Hannah, J. A., 45.
Hansen, D., 54.
Hansen, E. N., 27.
Hansen, H. C., 20.
Hansen, H. N., 9.
Hansen, J. M., 29.
Hansen, Mrs. L. O. Fohn-, 3.
Hansen, L. P., 94.
Hansen, L. S., 26.
Hansen, N. E., 84.
Hansen, P. A., 65.
Hansen, T. S., 47, 48.
Hanson, E., 16.
Hanson, E. A., 46.
Hanson, H. C., 10.
Hanson, R. A., 46.
Hanson, S. O., 38.
Hansson, F., 19.
Haralson, F. E., 48.
Harden, F. G., II.
Hardenburg, E. V., 64
Hardesty, J. O., 43.
Hardman, G., 56.
Hardy, M. B., 94.
Hare, C. L., 1.
Haring, C. M., 9.
Harlan, J. D., 66.
Harlan, M. L., 25.
Harland, M. B., 21.
Harling, Mrs. E. P., 31
Harman, K. G., 51.
Harman, M. T., 34.
Harman, S. W., 65.
Harmer, P. M., 45.
Harms, A. H., 34.
Harnden, E. E., 73.
Harned, H. H., 49.
Harned, R. W., 50.
Harper, C., 24.
Harper, H. J., 74.
Harper, M. V., 33.
Harper, M. W., 62..
Harper, W. L., 28.
Harrar, G. J., 80.
Harrill, L. R., 67.
Harriman, L. A., 28.
Harrington, F. M., 54.
Harrington, M. T., 86.
Harriott, J. F., 62,
Harris, C. E., 34.
Harris, F., 33.
Harris, H. C., 13.
Harris, H. L., 48.
Harris, H. M., 31.
Harris, J. W., 85.
Harris, K. W., 64.
Harris, M. B., 43.
Harris, M. R., 97.
Harris, R. J., 67.
Harris, R. T., 96.
Harris, V. A., 33.
Harris, W. J., 34
Harrison, A. K.. 42.
Harrison, E. S., 62.
Harrison, F., 93.
Harrison, T. B., 85.
Harrison, W. B., 68.
Harrison, W. E., 39.
Harrold, E. V., 18.
Harrold, T. J., 16.
Harrold, Mrs. V., 16.
Hart, C. P., 80.
Hart, E., 73.
Hart, E. B., 96.
Hart, G. H., 6.
Hart, H., 48.
Hart, V. B., 62.
Hart, W. J., 39.
Harter, W. L., 28.
Hartley, C. H., 95.

Hartman, G., 98.
Hartman, H. (Mich.), 43.
Hartman, H. (Oreg.), 77.
Hartman, L. W., 56.
Hartman, S. C., 73.
Hartsuch, B. E., 43.
Hartwell, W. H., 57.
Hartwig, H. B., 62.
Hartwig, N. A., 83.
Hartzell, F. Z., 66.
Harvey, A. L., 46.
Harvey, E. M., 77.
Harvey, H. W., 16.
Harvey, R. B., 48.
Haseman, L., 51.
Haskins, H. D., 41.
Haslerud, E. J., 68.
Hasselman, J. B., 45.
Hastie, M. A., 63.
Hastings, E. G., 96.
Haston, C. D., 74.
Haswell, J. R., 78.
Hatch, D. L., 69.
Hatch, K. L., III, 97.
Hatcher, C. G., 82.
Hathaway, I. L., 54.
Hauck, C. W., 72.
Hauge, S. M., 24.
Hauser, M. A., 29.
Hauser, W. R., 83.
Hausman, L. A., 59.
Hausrath, A. H., 28.
Hauter, L. H., 61.
Hawk, Mrs. E. R., 93.
Hawkins, A. C., 58.
Hawkins, J. H., 38.
Hawkins, J. R., 81.
Hawkins, L. E., 73.
Hawkins, R. S., 3.
Hawkins, S., 15.
Hawley, R. D., 42.
Hawthorn, L. R., 66.
Hay, W. D., 54.
Hayball, E., 89.
Hayden, A., 27.
Hayden, C. C., 72.
Hayden, M. L., 87.
Hayes, A. O., 58.
Hayes, F. M., 9.
Hayes, H. K., 46.
Hayes, J. B., 98.
Hayes, R. W., 67.
Hayes, W. W., 3.
Haymaker, H. H., 32.
Haynes, C. D., 92.
Haynes, Mrs. H. J., 41.
Hays, F. A., 42.
Hays, I. M., 2.
Hays, J. G., 43.
Hays, W. V., 66.
Hazeltine, D. M., 32.
Hazen, Mrs. H. W., 58.
Hazen, L. E., 74.
Hazlewood, B. P., 85.
Headden, W. P., 10.
Headlee, T. J., 58, 60.
Headley, F. B., 56.
Heald, F. D., 94.
Healy, D. J., 34.
Hean, C. S., 98.
Heard, C. E., 87.
Hearne, C. C., 51.
Heath, L. B., 77.
Heck, C. M., 67.
Heck, L. L., 27.
Hectorne, R. L., 21.
Hedges, C. C., 86.
Hedges, H., 55.
Hedrick, U. P., 65.
Hedrick, W. O., 43.
Heebink, G., 83.
Hegnauer, L., 93.
Heim, R. W., 13.
Hein, I., 78.
Heine, A. C., 48.
Heiner, A., 71.
Heinicke, A. J., 64.
Heitshu, D. C., 91.
Heizer, E. E., 70.
Heller, V. G., 73.
Helm, C. A., 51.
Helme, N., 81.
Helmreich, F. H., 70.
Helser, M. D., 27.
Helyar, F. G., III, 58, 59.
Hemmer, C. W., 25.
Henderson, A. M., 29.
Henderson, D. C., 79.
Henderson, E. L., 27.
Henderson, E. W., 27.
Henderson, H. O., 95.
Henderson, J. L. (Ala.), 2.
Henderson, J. L. (Calif.), 6.
Henderson, J. L. (Miss.), 49.
Henderson, M., 22.
Henderson, R. A., 97.
Henderson, R. G., 91.
Henderson, W. J., 27.
Henderson, W. W., 89.
Hendley, E. C., 49.
Hendrickson, A. H., 8.
Hendrickson, C. I., 12.
Hendrickson, G. O., 31.
Hendrix, W. R., 36.
Hendry, G. W., 6.
Henika, F. S., 97.
Hening, J. C., 65.
Henke, L. A., 18.
Henney, H. J., 32.
Henning, G. F., 72.
Henning, W. L., 78.
Henricksen, H. C., 80.
Henry, J. J., 97.
Henry, M. F., 64.
Hensel, F. W., jr., 87.
Hensley, H. C., 51.
Henson, E. R., 29.
Hepburn, W. M., 26.
Hepler, J. R., 57.
Hepner, F. E., 98.
Hepworth, M. M., 20.
Herman, H. A., 51.
Herman, J. R., 94.
Herms, W. B., 7.
Herr, Mrs. A. T., 41.
Herreid, E. O., 46.
Herrick, G. W., 63.
Herring, G. C., 91.
Herrington, B. L., 62.
Herrington, G. L., 85.
Herrmann, O. W., 74.
Hershberger, M. F., 21.
Hershey, R. R., 44.
Hervey, G. E. R., 66.
Herzer, F. H., 49.
Hesler, L. R., 84.
Hess, Mrs. K. J., 33.
Hessler, M. C., 52.
Hester, J. B., 14.
Hetherington, S. W., 81.
Hetler, Mrs. R. A., 23.
Hetzel, R. D., III, 77.
Heukelekian, H., 59, 60.
Heuser, G. F., 65.
Hewitt, E. A., 30.
Hewitt, P. M., 74.
Heyle, E. M., 51, 52.
Hibbard, B. H., 96.
Hibbard, P. L., 6.
Hibbard, R. P., 42.
Hickman, C. W., 20.
Hicock, H. W., 13.
Hienton, T. E., 25.
Hieronymus, R. E., 22.
Higginbotham, A. L., 56.
Higgins, B. B., 17.
Higgins, F. L., 3.
Higgins, L. A., 49.
Higgins, L. J., 56.
Higgs, C., 87.
Hilbun, B. F., 49.
Hildreth, A. C., 38.
Hill, C. L., 36.
Hill, C. O., 84.
Hill, D. D., 76.
Hill, E. B., 44.
Hill, F. F., 62.
Hill, F. M., 3.
Hill, G. O., 25.
Hill, H. E., 57.
Hill, H. H., 91.
Hill, H. S., 38.
Hill, J. A., 98.
Hill, J. B., 78.
Hill, R. L., 88.
Hillman, V. R., 91.
Hills, J. L., III, 90.
Hillstrom, E. G., 97.
Hilton, J. H., 24.
Himebaugh, K., 45.
Himmel, J. P., 28.
Hinds, H. B., 4.
Hinds, W. E., 37.
Hinkle, C. N., 25.
Hinman, R. B., 62.
Hinote, J., 51.
Hinrichs, A. F., 25.
Hinrichson, Mrs. H. B., 29.
Hinshaw, W. R., 9.
Hinze, F. C., 28.
Hire, M., 84.
Hirst, C. T., 88.
Hitchcock, I. M., 23.
Hitchcock, J. A., 90.
Hitchner, E. R., 37.
Hite, B. C., 76.
Hitt, J. W., 52.
Hixon, R. M., 27.
Hoagland, D. R., 6.
Hobart, C., 3.
Hobart, I. M., 47.
Hobbs, C. W., 33.
Hobbs, W. R., 71.
Hoblitzell, J. M., 40.
Hobson, A., 7.
Hobson, L. G., 25.
Hockensmith, R. D., 9.
Hoddinott, I. S., 70.
Hodges, B. P., 5.
Hodges, J. A., 32.
Hodgkiss, H. E., 79.
Hodgson, R. E., 48.
Hodgson, R. W., 8.
Hodsden, B. M., 91.
Hoefle, O. M., 65.
Hoerner, J. L., 10.
Hoff, P. R., 55.
Hoffer, C. R., 45.
Hoffman, A. H., 7.
Hoffman, I. C., 71, 73.
Hoffman, L. E., 25.
Hoffman, M. B., 95.
Hofmann, F. W., 92.
Hofmann, J. V., 67.
Hogan, A. G., 50, 51.
Hogenson, J. C., 88.
Hoggan, I. A., 97.
Hohl, N. J., 93.
Holben, F. J., 77.
Holbert, J. C., 27.
Holdaway, C. W., 91.
Holden, E. D., 96.
Holden, J. A., 55.
Holdsworth, R. P., 5.
Holland, C. S., 71.
Holland, E. B., 41.
Holland, E. O., III, 93.
Holland, R. E., 55.
Hollar, I. J., 75.
Holleman, M. P., jr., 87.
Holley, K. T., 17.
Hollinger, E. C., 61.
Hollinger, M. E., 36.
Hollister, S. P., 12.
Holloway, K. L., 5.
Holman, A., 33.
Holman, A. T., 66.
Holman, R. M., 9.
Holmes, C. E., 98.
Holmes, F. S., 39.
Holmes, L., 97.
Holmes, M. L., 62.
Holmes, S. P., 50.
Holmgreen, E. N., 86.
Holsey, Mrs. B., 3.
Holsinger, C. V., 30.
Holst, W. F., 9.
Holt, B. A., 28.

Holtman, D. F., 84.
Holton, C. S., 48.
Holton, E. L., 32.
Holton, G., 59.
Holtz, H. F., 93.
Honesty, P., 37.
Honeywell, E. R., 26.
Honeywell, H. E., 78.
Honig, H. H., 47.
Hooker, J. E., 81.
Hooker, W. A., II.
Hooper, W. B., 8.
Hootman, H. D., 44.
Hoover, M. M., 94.
Hopkins, A. W., 97.
Hopkins, C. B., 64.
Hopkins, C. O., 37.
Hopkins, E. F., 62.
Hopkins, J. A., jr., 28.
Hopkins, J. V., 95.
Hopper, H. A., 62.
Hopper, T. H., 68.
Hoppert, C. A., 43.
Hoppert, E. H., 55.
Horat, L. E., 26.
Horlacher, L. J., 34.
Horlacher, W. R., 87.
Horn, C. L., 92.
Horn, E. O., 32.
Horne, W. T., 9.
Horner, J. M., 19.
Horning, W. H., 30.
Horovitz, K. Lark-, 26.
Horrall, B. E., 24.
Horsfall, J. G., 65.
Horst, H. E., 70.
Horton, C. W., 70.
Horton, L., 69.
Horton, M., 87.
Horton, P. M., 36.
Horwood, R. E., 43.
Hosach, W., 72.
Hoskins, E. R., 63.
Hoskins, W. M., 7.
Hosmer, R. S., 63.
Hostetler, E. H., 66.
Hottes, C. F., 21.
Hotton, F., 74.
Hough, W. S., 91
Houk, A. L., 43.
House, E. B., 10.
Houser, J. S., 72.
Hovis, W. A., 52.
Hovlid, M. L., 47.
Howard, C. H., 58.
Howard, J. T., 41.
Howard, LaP., 3.
Howard, M., 56.
Howard, N. J., 35.
Howard, Mrs. N. J., 93.
Howard, R. C., 92.
Howard, W. L., 6.
Howarth, J. A., 9.
Howe, A., 25.
Howe, C. B., 58.
Howe, C. H., 32.
Howe, F. B., 62.
Howe, G. H., 66.
Howe, M. F., 10.
Howell, C. E., 6.
Howell, N. H., 68.
Howell, S. F., 79.
Howell, W. C., 49.
Howells, H. P., 73.
Howes, H. L., 57.
Howes, S. A., 80.
Howey, M. O., 99.
Howitt, M. H., 44.
Howland, A., 43.
Howlett, F. S., 71, 73.
Hoyt, E. E., 29.
Hoyt, H. R., 73.
Hoyt, M. A., 11.
Hubbard, B., 79.
Hubbard, S. C., 42.
Hubbell, H. J., 64.
Huber, H. F., 58, 59.
Huber, L. L., 72.
Hubert, B. F., 17.
Hubert, O., 88.
Hubert, Z. T., 75.
Huberty, M. R., 7.
Huckeby, H. M., 10.
Hucker, G. J., 65.
Huckett, H. C., 66.
Huddleson, I. F., 45.
Hudelson, R. R., 22.
Hudson, C. B., 60.
Hudson, C. R., 67.
Hudson, R. S., 45.
Huelsen, W. A., 23.
Huffington, J. M., 79.
Huffman, C. F., 43.
Huggins, B. E., 57.
Huggins, W. C., 16.
Hughes, E. C., 8.
Hughes, E. H., 6.
Hughes, H. D., 29.
Hughes, H. L., 91.
Hughes, J. L., 11.
Hughes, J. S., 32.
Hughes, M. C., 42.
Hughes, O. E., 16.
Hughes, R. M., 27.
Hulbert, A. M., 58.
Hulbert, H. W., 19.
Hulbush, N. L., 53.
Hull, F. E., 34.
Hull, F. H., 14.
Hull, F. M., 87.
Hull, H. H., 98.
Hull, I., 89.
Hull, K. L., 88.
Hull, M., 37.
Hull, W. W., 49.
Hullihen, W., III, 13.
Hulme, B. F., 89.
Hultz, F. S., 98.
Humbert, E. P., 87.
Hume, A. N., 83, 84.
Hummel, B. L., 91.
Humphrey, E. N., 20.
Humphrey, G. C., 96.
Humphrey, J. E., 34.
Humphrey, S. S., 70.
Humphreys, G., 95.
Hungerford, C. W., 19, 26.
Hunn, C. J., 64.
Hunt, C. H., 72.
Hunt, G. E., 21.
Hunt, H. R., 45.
Hunt, L. W., 93.
Hunt, R. E., 91.
Hunt, T. F., 8.
Hunt, W. E., 39.
Hunter, H. A., 40.
Hunter, H. L., 81.
Hunter, J. E., 78.
Hunter, J. H., 82.
Hunter, J. M., 92.
Hunter, M., 76.
Hunter, Mrs. M. E. V., 88.
Hunter, W. N., 67.
Hurd, L. M., 65.
Hurst, F. J., 49.
Hurt, Mrs. L. R., 2.
Hurt, R. H., 91.
Hussemann, D. L., 23.
Hussey, F., 84.
Hussong, R. V., 28.
Huston, H. H., 71.
Huston, R. C., 43.
Hutchens, Mrs. H. M., 84.
Hutcheson, J. R., 91.
Hutcheson, T. B., 91, 92.
Hutchins, A. E., 48.
Hutchinson, C. J., 36.
Hutchinson, H. E., 79.
Hutchinson, J., 23.
Hutchinson, K. T., 84.
Hutchinson, R. M., 38.
Hutchison, C. B., 6.
Hutchison, R. E., 77.
Hutson, R., 58, 60.
Hutt, F. B., 48.
Huttar, J. C., 65.
Hutton, C. A., 85.
Hutton, J. G., 83.
Hutton, J. P., 45.
Hyde, Mrs. B. E., 11.
Hyde, J. W., 2.
Hyer, R. J., 98.
Hyland, F., 38.
Hypes, J. L., 12.
Hyslop, G. R., 76.

Ibsen, H. L., 31.
Iddings, E. J., III, 19.
Iddles, H. A., 57.
Ikeler, K. C., 88.
Ikenberry, Mrs. E. N., 4.
Ikenberry, G. J., 68.
Ilg, C., 60.
Illingworth, J. F., 19.
Imlay, F., 35.
Immer, F. R., 46.
Ince, J. W., 81.
Ingalls, E. L., 90.
Ingalls, I., 20.
Ingham, L. W., 39.
Ingram, C., 36.
Innes, E., 85.
Insko, W. M., jr. 34.
Ireland, J. C., 74.
Irish, J. H., 8.
Irvin, C. J., 77.
Irwin, K. G., 10.
Irwin, Mrs. M. H., 29.
Isaac, E. E., 54.
Isaacson, M. R., 3.
Isbell, C. L., 2.
Isely, D., 5.
Israelsen, O. W., 89.
Iverson, C. A., 28.
Izquierdo, L. A., 80.

Jackman, E. R., 76.
Jackman, J. W., 26.
Jackson, A. D. (N. H.), 57.
Jackson, A. D. (Tex.), 87.
Jackson, Mrs. A. R., 74.
Jackson, B. H., 82.
Jackson, B. M., 17.
Jackson, C. F., 57.
Jackson, G., 62.
Jackson, H., 17.
Jackson, H. C., 96.
Jackson, H. L., 81.
Jackson, J. B., 1.
Jackson, L. E., 70.
Jackson, P. M., 82.
Jackson, S. C., 50.
Jackson, V. T., 14.
Jacob, H. E., 8.
Jacob, M., 84, 85.
Jacobsen, E. A., 23.
Jacobson, E., 76.
Jacobson, H. G. M., 13.
Jaffa, M. E., 8.
James, C. M., 24.
James, J. A., 96.
James, R. W., 95.
James, W. A., 21.
Jamison, F. S., 87.
Jamison, N. C., 75.
Janssen, G., 4.
Jardine, J. T., III, 75.
Jarnagin, M. P., 16.
Jefferds, E. J., 79.
Jeffers, D. S., 30.
Jefferson, C. H., 43.
Jefferson, L. P., 41.
Jeffords, S. L., 81.
Jeffrey, A. A., 51.
Jeffries, C. D., 77.
Jeffries, J. H., 15.
Jehle, R. A., 40.
Jenkins, E. G., 39.
Jenkins, E. H., 12.
Jenkins, E. W., 90.
Jenkins, J. M., 37.
Jenkins, M. E., 4.
Jenkins, M. T., 29.
Jennings, B. A., 63.
Jennings, D. S., 88.
Jennings, E., 99.

Jennings, W. H., 27.
Jennison, H. M., 84.
Jenny, G., 95.
Jenny, H., 52.
Jensen, C., 68.
Jensen, I. J., 54.
Jensen, K., 20.
Jensen, W. C., 82.
Jerdan, A. L., 85.
Jernigan, W. J., 5.
Jesness, O. B., 47.
Jester, G. H., 1.
Jeter, F. H., 67.
Jeter, T. A., 14.
Jett, W., 43.
Jewett, H. H., 35.
Jewett, R. M., 43.
Joffe, J. S., 59.
Johannesen, V. R., 99.
Johanningsmeier, O. G., 25.
Johannsen, O. A., 63.
Johnakin, M., 82.
Johns, I. B., jr., 27.
Johnson, A. G., 76.
Johnson, A. M., 74.
Johnson, B. L., 53.
Johnson, Mrs. B. M., 50.
Johnson, C., 37.
Johnson, C. C., 93.
Johnson, C. G. H., 10.
Johnson, E. A., 28.
Johnson, E. B., 20.
Johnson, E. C. (Minn.), 47.
Johnson, E. C. (Wash.), 93.
Johnson, E. G., 22.
Johnson, E. M., 34.
Johnson, E. W., 34.
Johnson, G. E., 34.
Johnson, G. I., 16.
Johnson, G. V., 76.
Johnson, H. E., 45.
Johnson, Mrs. H. F., 82.
Johnson, H. S., 49.
Johnson, H. W., 36.
Johnson, I. J., 46.
Johnson, J., 97.
Johnson, J. P., 13.
Johnson, J. T., 68.
Johnson, L. M. (Ill.), 23.
Johnson, L. M. (Ind.), 26.
Johnson, M. S., 47.
Johnson, N. W., 93.
Johnson, O. R., 51.
Johnson, P. R., 88.
Johnson, R. E., 11.
Johnson, R. F., 20.
Johnson, S. A., 9.
Johnson, S. E., 53.
Johnson, T. C., 91, 92.
Johnson, T. W., 69.
Johnson, W. E., 82.
Johnson, W. T., 77.
Johnston, C. O., 32.
Johnston, E. S., 40.
Johnston, F., 27.
Johnston, H., 2.
Johnston, H. G., 87.
Johnston, P. E., 22.
Johnston, R. E., 83.
Johnston, S., 45.
Johnston, T. R., 25.
Jolivette, E. L., 38.
Jolly, J. H., 36.
Jones, A. D., 67.
Jones, Mrs. A. H., 29.
Jones, B. C., 86.
Jones, B. M., 85.
Jones, C. H., 90.
Jones, C. P., 41.
Jones, C. R. (Colo.), 10.
Jones, C. R. (W. Va.), III.
Jones, D. F., 13.
Jones, D. L., 88.
Jones, E., 70.
Jones, E. H., 69.
Jones, E. R., 96.
Jones, F., 69.
Jones, F. R., 87.
Jones, H. A., 8.
Jones, H. M., 83.
Jones, H. W., 84.
Jones, I. R., 75.
Jones, J. C., 64.
Jones, J. M., 86.
Jones, J. P., 40.
Jones, J. S., 75.
Jones, J. W., 7.
Jones, K., 97.
Jones, K. D., 8.
Jones L. G., 86.
Jones, L. H. (Ga.), 17.
Jones, L. H. (Mass.), 40.
Jones, L. J., 69.
Jones, L. K., 94.
Jones, L. R., 97.
Jones, Mrs. M., 17.
Jones, M. D., 38.
Jones, M. M., 51.
Jones, M. P., 71.
Jones, Mrs. M. W., 2.
Jones, Mrs. N. K., 97.
Jones, P. D., 78.
Jones, R. E., 12.
Jones, R. W. (Ga.), 17.
Jones, R. W. (Ky.), 35.
Jones, S. C., 34.
Jones, W. W., 35.
Jordan, A. O., 49.
Jordan, G. L., 21.
Jordan, J. R., 52.
Jordan, L. B., 82.
Jordan, P. S., 48.
Jordan, R., 26.
Jordan, W. E., 67.
Jorgenson, L. R., 72.
Joseph, W. E., 53.
Josephson, H. B., 78.
Journey, R. C., 66.
Juaire, M. A., 97.
Judge, T. L., 55.
Jungherr, E., 88.
Justin, M. M. (Ind.), 26
Justin, M. M. (Kans).32.

Kadderly, W. L., 76.
Kafka, H., 47.
Kakavas, J. C., 13.
Kalkus, J. W., 94.
Kallenberg, H. E., 95.
Kammlade, W. G., 21.
Kapp, L. C., 4.
Karper, R. E., 86.
Karraker, P. E., 34.
Kassel, R., 29.
Kauffman, H. H., 79.
Kauffman, L. A., 70.
Kaupp, B. F., 67.
Kays, D. J., 70.
Keaney, F W., 81.
Keaty, E. C., 37.
Keegan, L. A., 80.
Keen, C. N., 9.
Keen, R. C., 37.
Keene, P. L., 84.
Keener, R. L., 16.
Keffer, C. A., 84.
Keilholz, F. J., 22.
Keim, F. D., 54.
Keim, J. F., 78.
Keipper, C. H., 96.
Keiser, L. A., 76.
Keith, C. E., 67.
Keith, E. B., 32.
Keith, M. H., 21.
Keith, T. B., 78.
Keitt, G. W., 97.
Kelbert, D. G. A., 15.
Kell, L., 33.
Kellar, V. M., 39.
Keller, A. R., 18.
Keller, G. M., 1.
Keller, H., jr., 58.
Keller, L. L., 85.
Kelley, J. B., 34.
Kelley, J. L., 42.
Kelley, V. W. 23.
Kelley, W. P., 6.
Kellogg, C. Edward (Ga.), 16.
Kellogg, C. Edwin (N. Dak.), 68.
Kelly, A., 32.
Kelly, E. G. (Del.), 13.
Kelly, E. G. (Kans.), 32.
Kelly, F. J., III, 19.
Kelly, J. P., 78.
Kelly, L. H., 43.
Kelly, O. W., 41.
Kelly, W. A., 45.
Kelsey, L. D., 63.
Kelsheimer, E. G., 72.
Kelty, R. H., 44.
Kemp, W. B., 38.
Kempster, H. L., 52.
Kenck, R. E. 53.
Kendall, F. J.. 47.
Kendall, J. C., III, 56.
Kendrick, J. B., 9.
Kendrick, M. S., 62.
Kendrick, W. H., 95.
Kenestrick, H. G., 70.
Kennard, D. C., 72.
Kennedy, A. C., 70.
Kennedy, C., 46.
Kennedy, C. H., 71.
Kennedy, E. 12.
Kennedy, H., 2.
Kennedy, Mrs J. F., 71.
Kennedy, W., 50.
Kennedy, W. L., 95.
Kenner, N. L., 82.
Kenney, Mrs. E. W., 38.
Kenney, F. C., 42.
Kenney, R., 34.
Kent, H. L., III, 61.
Kern, F. D., 78.
Kern, O. J., 7.
Kernkamp, H. C. H., 48.
Kerns, K., 19.
Kerr, A. P., 36.
Kerr, H. W., 98.
Kerr, W. J., III, 75.
Kertesz, Z. I., 65.
Ketchin, J., 82.
Kettunen, A. G., 43.
Kewley, A., 89.
Kezer, A., 9.
Kiah, T. H., 40.
Kick, C. H., 72.
Kidder, H., 53.
Kidder, W., 53.
Kiesselbach, T. A., 54.
Kiethline, M., 83.
Kik, M. C., 5.
Kildare, A. A., 53.
Kildee, H. H., 27.
Killham, B. J., 45.
Killiam, A., 39.
Killough, D. T., 86.
Kilpatrick, E. J., 35.
Kilpatrick, S. L., 17.
Kiltz, B. F., 74.
Kiltz, K. W., 25.
Kimball, L., 64.
Kimball, R. H., 57.
Kimbrough, W. D., 2.
Kime, P. H., 66.
Kimrey, A. C., 66.
Kincaid, R. R., 15.
King, A. C., 62.
King, B. M., 51.
King, C. B., 37.
King, C. M., 27.
King, D. F., 1.
King, E. A., 13.
King, F. B., 29.
King, F. G., 24.
King. F. M., 47.
King, G. H., 16.
King, H. H., 32.
King, W., 19.
King, W. B., 27.
Kinghorn, I. G., 10.
Kingman, H. E., 11.
Kinley, D., 21.
Kinney, E. J., 34.
Kinney, L. F., jr., 81.
Kinnison, A. F., 4.

Kinsey, W. H., 12.
Kinsler, K., 44.
Kirby, R. S., 78.
Kirby, S. J., 66.
Kirk, M. J., 69.
Kirk, R. E., 53.
Kirkland, K. L., 87.
Kirkpatrick, A., 74.
Kirkpatrick, E. L., 96.
Kirkpatrick, M., 74.
Kirkpatrick, P., 18.
Kirkpatrick, R. T., 51.
Kirkpatrick, W. F., 12.
Kirkwood, A., 21.
Kirkwood, W. P., 48.
Kiser, O. M., 48.
Kitchen, Mrs. H. B., 58, 59.
Kitselman, C. H., 33.
Kitt, E. G., 29.
Kittleson, A. J., 47.
Kittredge, Mrs. D. D., 47.
Kivlin, V. E., 96.
Klages, K. H., 83.
Kleiber, M., 6.
Klein, G. T., 33.
Klein, M. D., 58.
Klemmedson, G. S., 10.
Kline, E. R., 11.
Kline, L. V., 79.
Kline, O. L., 96.
Klingner, M. L., 52.
Klotz, L. J., 9.
Klutts, B. A., 82.
Knandel, H. C., 79.
Knapp, B., 1.
Knapp. J. G., 67.
Knappenberger, L. L., 12.
Knaus, K., 25.
Knaysi, G. A., 62.
Knight, H. G., III.
Knight, H. H., 31.
Knight, H. L., II.
Knight, P., 39.
Knipe, F. W., 12.
Knoll, F. P., 78.
Knott, J. C., 93.
Knott, J. E., 64.
Knowles, N. S., 28, 29.
Knowles, W. F., 58.
Knowlton, F. L., 77.
Knowlton, G. F., 89.
Knowlton, H., 41.
Knowlton, H. E., 95.
Knox, C. W., 27.
Knox, G. W., jr., 4.
Knox, J. H., 86.
Knox, J. S., 5.
Knudsen, H. R., 40.
Knudson, L., 62.
Knutsen, M. H., 78.
Koch, A., 70.
Kochheiser, D. S., 70.
Koehler, B., 21.
Koehne, M., 85.
Koenig, L. A., 86.
Kohl, E. J., 24.
Kohl, L. E., 35.
Kohlmeyer, J. B., 25.
Kohlmeyer, W., jr., 26.
Kohls, H. L , 44.
Kohn, F. J., 98.
Kokoski, F. J., 65.
Kolb, J. H., 96.
Kollock, N., 3.
Kolshorn, A. M., 76.
Koon, R. M., 42.
Koonce, D. W., 11.
Koonce, L. F., 66.
Kooser, H. L., 28.
Kopland, D. V., 54.
Kostalek, J. A., 20.
Kostir, W. J., 71.
Kramer, M. M., 33.
Kramer, W. H., 73.
Krantz, F. A., 48.
Krauss, B. H., 19.
Krauss, F. G., 18.
Krauss, W. E., 72.
Kraybill, H. R., 24, 26.
Kremer, J. G., 44.
Krill, W. R., 71.
Kriss, M., 79.
Kroenig, W., 48.
Kroodsma, R. F., 44.
Krueger, M. E., 8.
Krum, W. G., 65.
Kruse, P. J., III, 63.
Krusekopf, H. H., 52.
Kuehn, A. E., 26.
Kuehn, J. F., 47.
Kuehner, C. L., 97.
Kuehner, R. C., 76.
Kuhlman, A. F., 22.
Kuhlman, A. H., 74.
Kuhlman, G. W., 76.
Kuhn, B. D., 44.
Kumlien, W. F., 84.
Kunerth, W., 30.
Kunkel, D. R., 24.
Kuntz, P. Richardson, 80.
Kuntz, W. A., 15.
Kuska, J. B., 34.
Kutsunai, Y., 19.
Kuykendall, R., 50.
Kuzmeski, J., 40.
Kyle, E. J., 86, 87.
Kyzer, E. D., 82.

La Bossier, I., 69.
La Croix, M. M., 36.
Lacy, E., 35.
Lacy, H. E., 16.
Lacy, I. O., 60.
Lacy, J., 96.
Lacy, S. E., 82.
Ladd, C. E., III, 62.
Ladd, J. E., 80.
Lagassé, F. S., 13.
LaGrange, W. F., 27.
Laird, A. S., 82.
Lakas, J. M., 64.
Lamar, Mrs. E. C., 23.
La Master, J. P., 81.
Lamb, L. W , 43.
Lambert, W. V., 29.
Lamiman, J. F., 7.
LaMont, T. E., 62.
Lampe, L., 70.
Lampman, C. E., 20.
Lamson, G., 90.
Lamson, G. H., jr., 12.
Lancashire, E. R., 71.
Lancaster, Mrs. L. R., 29.
Lancaster, R. R., 86.
Lancelot, W. H., 28.
Landauer, W., 12.
Landin, H. M., 26.
Landis, L., 85.
Landon, I. K., 31.
Landon, Mrs. L E., 45.
Landrum, L. I., 82.
Lane, F. P., 99.
Lang, A. L., 21.
Lang, C. C., 70.
Lang, C. P., 78.
Lang, E. W., 56.
Langdon, G. E., 97.
Langford, G. S., 39.
Langley, A., 16.
Langley, J. P., 19.
Langston, J. M., 50.
Lanman, F. R., 70, 72.
Lanphear, M. O., 40.
Lantow, J. L., 61.
Lantz, H. L., 30.
Lark-Horovitz, K., 26.
Larkum, N. W., 45.
Larsen, C., 83.
Larsen, J. A., 30.
Larson, A. H., 48.
Larson, I., 34.
Larson, Mrs. N. M., 28.
Larson, R. A., 83.
Larson, R. H., 97.
Lathrop, F. W., 46.
Latimer, L. P., 57.
Latshaw, W. L., 32.
Latta, W. C., 25.
Lattig, H. E., 20.
Latzke, A. C., 32, 33.
Latzke, E., 69.
Laubengayer, R. A., 62.
Laude, H. H., 31.
Lauderburn, D. E., 49.
Lauman, G. N., 63.
Laurie, A. (N. Dak.), 69.
Laurie, A. (Ohio), 71, 73.
La Voi, D. H., 42.
Lawrence, F., 18.
Lawrence, J. F., 55.
Lawrence, W. E., 75.
Lawson, B. C., 22.
Lawson, J. S., 66.
Lawson, W. W., 85.
Laycock, W. E., 45.
Layton, D. V., 27.
Layton, H. B., 82.
Leach, J. G., 48.
Leach, L. D., 9.
Learmonth, R., 80.
Leasure, E. E., 33.
Leaton, L. L., 55.
Leavenworth, C. S., 12.
Leavitt, H. I., 57.
Ledford, M., 16.
Lee, A. M., 99.
Lee, B. L., 53.
Lee, C. D., 30.
Lee, J. G., jr., 36.
Lee, J. R. E., 15.
Lee, L. L., 59, 60.
Lee, O. C., 24.
Lee, V. P., 86.
Leeby, C., 69.
Leer, W. E., 24.
Leete, B. E., 72.
Lefevers, A. P., 67.
Leffall, L. D., 15.
Leffingwell, D. J., 94.
Lefforge, J. H., 24.
Leggett, E. E., 50.
Lehenbauer, P. A., 56.
Lehman, R. S., 10.
Lehman, R. T., 4.
Lehman, S. G., 66.
Lehmann, E. W., 22.
Leichsenring, J. M., 47.
Leifson, S. W., 56.
Leighton, Mrs. H., 57.
Leighton, M. E., 90.
Leighton, R., 46.
Leighty, W. J., 29.
Leinbach, F. H., 9.
Leininger, E., 43.
Leith, B. D., 96.
Leith, T. B., 94.
Leivo, T., 42.
Leker, E. H., 32.
Leland, A. W., 15.
Leland, E. W., 62.
Leland, H. A., 41.
Leland, O. M., III.
Leland, T. W., 86.
Le Mert, H. W., 49.
Lenert, A. A., 87.
L'Engle, L., 29.
Lennox, C. G., 19.
LeNoir, E., 36.
Lent, M. N., 8.
Lentz, J. B., 42.
Leonard, M. D., 80.
Leonard, N. B., 65.
Leonard, W. H., 9.
Leonian, L. H., 95.
Lepley, M. C., 29.
Leske, L., 64.
Lesley, J. W., 8.
Leslie, J. E., 93.
Letonoff, T. V., 79.
Leukel, W. A., 14.
Leveck, H. H., 49.
LeVesconte, A. M., 27.
Levine, A. A., 93.
Levine, M., 27.
Levine, M. N., 48.
Lewellen, R. A., 61.
Lewis, A., 20.
Lewis, C. A., 34.

Lewis, D. S., 92.
Lewis, E. B., 55.
Lewis, E. M., 56.
Lewis, E. P., 23.
Lewis, F. C., 25.
Lewis, H. V., 84.
Lewis, I. D., 82.
Lewis, I. P., 73.
Lewis, L. M. (Iowa), 29.
Lewis, L. M. (Oreg.), 77.
Lewis, M. R., 76.
Lewis, M. T., 79.
Lewis, R. D., 64.
Lewis, R. O., 31.
Lewis, S. L., 56.
Lewis, W. C., 43.
Libbert, M. S., 4.
Libby, A. C., 48.
Lienhardt, H. F., 33.
Ligon, L. L., 74.
Lill, J. G., 44.
Lincoln, F. B., 8.
Lindgren, H. A., 75.
Lindgren, L. F., 54.
Lindquist, H. G., 40.
Lindsey, A. H., 41.
Lindsey, G., 19.
Lindsey, G. A., 68.
Lindsey, J. B., 41.
Lindstrom, D. E., 22.
Lindstrom, E. W., 29.
Linfield, F. B., III, 53.
Linford, J. H., 89.
Linford, M. B., 19.
Lininger, F. F., 78.
Link, H. F., 35.
Link, K. P., 96.
Linn, F. B., 3.
Linn, J. W., 32.
Linsley, C. M., 21.
Linton, R. S., 43.
Lipman, C. B., 9.
Lipman, J. G., 58, 59.
Lipp, C. C., 84.
Lippincott, W. A., 9.
Lippincott, W. L., 81.
Lipscomb, J. N., 49.
Lisse, M. W., 78.
List, G. M., 10.
Little, C. B., 47.
Little, V. A., 87.
Littlehale, A. D., 56.
Litton, K. E , 16.
Litwiller, E. M., 33.
Lively, C. E., 70, 72.
Livermore, J. R., 64.
Livesay, E. A., 94.
Lloyd, J. W., 23.
Lloyd, O. G., 25.
Lloyd, W. E., 9.
Lobenstein, H. L., 33.
Locke, R. B., 9.
Lockert, A., 85.
Lockett, J. L., 92.
Locklin, H. D., 94.
Lockwood, W. H., 84.
Lockwood, W. P. B., 40.
Loeffel, W. J., 54.
Loftus, J , 11.
Logan, C. A., 32.
Logan, L. E., 35.
Logsdon, C. S., 43.
Lohman, A. W., 90.
Lohmann, K B., 23.
Lommel, W. E., 26.
Long, C. L., 77.
Long, G. B., 61.
Long, J. D., 7.
Long, L. E., 49.
Long, L. R., 15.
Long, W. W., 81.
Longenecker, G. W., 97.
Longley, L. E., 48.
Longsdorf, L. L., 33.
Longwell, J. H., 94.
Longwell, S. E., 56.
Longyear, B. O., 10.
Lonsdale, J. T., 87.
Loomis, A. P., 33.
Loomis, E., 71.
Loomis, W. E., 27.
Lord, C., 12.
Lord, E. L., 15.
Loreaux, R. H., 47.
Loree, R. E., 44.
Lorimer, M. W., 19.
Lory, C. A., III, 9.
Lott, R. V., 11.
Lott, Mrs. V. A., 11.
Loucks, K. W., 15.
Love, G., 43.
Love, H. H., 64.
Lovejoy, D. B., 38.
Loveland, E. H., 90.
Lowe, B., 29.
Lowe, P. M., 47.
Lowenberg, M. E., 29.
Lowery, J. C., 1.
Lowman, O. E., 27.
Lowry, M. W., 16.
Lowry, P. R., 57.
Lowry, S. J., 35.
Lowry, W. J., 42
Lucas, J. B., 91.
Lucas, P. S., 43.
Lucas, W. D., 1.
Luce, M. E., 90.
Luce, W. A., 94.
Luckett, J. D., 65.
Lumb, J. W., 33.
Lundberg, M. G., 12.
Lundin, P. G., 43.
Lundy, G., 83.
Lungren, E. A., 10.
Lunn, A. G., 77.
Lunt, H. A., 13.
Lusby, R. M., 29.
Lush, J. L., 27.
Lush, R. H., 36.
Lute, A. M., 10.
Luther, E. L., 97.
Lutman, A. S., 90.
Lutman, B. F., 90.
Lutrell, E., 4.
Lutz, H. J., 79.
Lux, E., 55.
Lykken, L., 27.
Lyle, M. S. 99.
Lyle, S. P., 16.
Lyles, T. J., 82.
Lyman, J. F., 70.
Lyman, O. H., 19.
Lynch, D. E., 23.
Lynde, Mrs. L. A., 44.
Lyness, W. E., 54.
Lynott, Mrs. M. L., 4.
Lyon, H. L., 19.
Lyon, T. L., 62.
Lytle, F. L., 74.

McAdory, I. S., 2.
McAlister, J. T., 81.
McAllep, W. R., 18, 19.
McAllister, D. V., 80.
McAlpine, M. I., 16.
McAmis, J. C., 84.
McArthur, L. J., 84.
McBride, C. G., 70, 72.
McBryde, Mrs. M. C., 91.
McCain, O. R., 26.
McCall, L. J., 88.
McCall, T. M., 48.
McCally, R. L., 24.
McCampbell, C. W., 31.
McCampbell, S. C., 10.
McCann, L. P., 70.
McCapes, A. M., 77.
McCarty, M. A., 78.
McCaul, B. V., 68.
McCay, C. M., 62.
McClarren, H., 70.
McClatchey, W. S., 59.
McCleery, W. L., 19.
McClelland, C. K., 4.
McClelland, T. B.. 80.
McCleskey, C. S., 27.
McClintock, B., 62.
McClintock, J. A., 85.
McClintock, J. E., 71.
McClure, G. M., 71, 72.
McClure, J. T., 72.
McClymonds, A. E., 20.
McColly, H. F., 69.
McComb, H. A., 55.
McComb, Mrs. J. D., 76.
McConnell, E. J., 22.
McConnell, H. S., 39.
McCool, M. M., 45.
McCord, J. L. E., 78.
McCordic, Mrs. M. P., 97.
McCormick, F. A., 12.
McCormick, F. J., 28.
McCown, M., 26.
McCoy, J. E., 94.
McCracken, E. C., 30.
McCrary, C. M., 44.
McCreary, O. C., 98.
McCroskey, J. B., 51.
McCubbin, E. N., 95.
McCue, C. A., 13.
McCuen, G. W., 70, 72.
McCulloch, E. C., 2.
McCullough, H. E.. 23.
McCurdy, J. C., 63.
McCurdy, M. J., 39.
McDaniel, E. I., 43.
McDill, P., 54.
McDole, G. R., 19.
McDonald, C. W., 27.
McDonald, H. G., 93.
McDonald, M., 28.
McDonel, K. H., 43.
McDonnell, A. D., 12.
McDonnell, H. B., 39.
McDonough, E. S., 42
McDowell, M. S., 77.
McDowell, Mrs. M. S., 79.
McEldowney, G. A., 19.
McElmurry, L., 33.
McElroy, C. H., 73.
McFarland, Mrs. F. M., 39.
McFeely, A., 48.
McGee, W. C., 50.
McGeorge, W. T., 3.
McGettigan, F. L., 56.
McGilliard, P. C., 74.
McGinnies, W. G , 4.
McGinnis, G. R., 76.
McGinty, R. A., 82.
McGlumphy, J. H., 27.
McGowan, M. B., 91.
McHargue, J. S., 34.
McHatton, T. H., 16.
McHenry, D. E., 73.
McHugh, J. K., 37.
McIlroy, Mrs. C. B., 64.
McIlvaine, T. C., 9 , 95.
McIlwain, D. W., 49.
McIntosh, C. J., 77.
McIntosh, D. C., 74.
McIntyre, A. C., 79.
McKay, A. B., 50.
McKay, H., 71, 72.
McKay, H. M., 16.
McKay, K. G., 9.
McKay, L. J., 50.
McKay, M. B., 75.
McKee, C., 53.
McKee, J. C., 49.
McKee, M. A., 23.
McKellip, I., 70.
McKenney, G. J., 35.
McKenzie, F. F., 50.
McKenzie, P. C., 78.
McKibben, E. G., 28.
McKibben, H., 29.
McKimmon, Mrs. J. S., 67.
McKinley, B., 14.
McKinley, Mrs. H. V., 13.
McKittrick, E. J., 99.
McLanahan, F. A., 16.
McLaughlin, A. R., 98.
McLaughlin, F. A., 40.
McLaughlin, Mrs. H. F., 57.

McLaughlin, L. I., 29.
McLean, E. E., 1.
McLean, H. C., 59, 60.
McLendon, W. F., 17.
McLennan, R. C., 19.
McLeod, J. H., 84.
McLeod, W. M., 33.
McMahon, D., 69.
McMahon, K. L., 26.
McMaster, M. A., 64.
McMillan, M. F., 15.
McMillan, S. A., 86.
McMillen, J. A., 37.
McMiller, P. R., 48.
McMunn, R. L., 23.
McMurray, R. G., 70.
McNall, P. E., 96.
McNaughton, E. B., 39.
McNeal, W. B., III, 47.
McNeel, W., 97.
McNelly, C. L., 47.
McNess, G. T., 86.
McNulty, S. A., 97.
McNutt, G. W., 94.
McNutt, S. H., 30.
McPheeters, M., 39.
McPheeters, M. R., 74.
McQuesten, L. M., 8.
McSpadden, B. J., 84.
McTeer, F. D., 85.
McVeety, Mrs. E., 69.
McVey, F. L., III, 34.
McWhorter, F. P., 75.
Mabee, W. B., 53.
MacArthur, E. H., 64.
MacDaniels, L. H., 64.
MacDonald, G. B., 30.
Macdonald, L., 12.
MacDonald, M. B., 84.
MacDonald, P., 13.
Macfarlane, J., 57.
MacGillivray, J. H., 26.
Machmer, W. L., 40.
MacIntire, W. H., 84.
Mack, M. E., 56.
Mack, M. J., 40.
Mack, W. B., 79.
Mackay, B. B., 36.
Mackensen, O., 87.
Mackey, A. K., 86.
Mackie, W. W., 6.
MacKimmie, A. A., 41.
Mackintosh, D. L., 31.
Mackintosh, M. O., 55.
Mackintosh, R. S., 48.
Macklin, T., 96.
MacLaren, C. M., 23.
MacLeod, G. F., 79.
Macy, H., 46.
Madison, L. C., 78.
Madsen, D. E., 89.
Madson, B. A., 6.
Maeser, S., 88.
Magill, E. C., 91.
Magill, W. W., 35.
Magistad, O. C., 19.
Magnuson, H. P., 20.
Magruder, R., 73.
Mahan, C. A., 35.
Mahan, W., 73.
Mail, G. A., 53.
Mains, E. B., 24.
Mairs, T. I., 78.
Major, H. F., 52.
Mallmann, W. L., 45.
Mallon, M. G., 26.
Mallory, W. T., 50.
Malmsten, H. E., 8.
Manchester, A. W., 12.
Maneki, M., 18.
Maneval, W. E., 51.
Maney, T. J., 30.
Mangels, C. E., 68.
Mangelsdorf, A. J., 19.
Mangelsdorf, P. C., 86.
Manhart, V. C., 25.
Mann, A. R., III, 62.
Mann, H. B., 66.
Manning, F. E., 78.
Manning, H., 97.
Manns, T. F., 13.
Mansfield, S. G., 40.
Manson, P. W., 46.
Manter, J. A., 12.
Marble, D. R., 65.
Marckworth, G. D., 37.
Marcovitch, S., 85.
Marion, A. W., 71.
Marion, J., 69.
Maris, P. V., III, 75.
Mark, J. J., 35.
Markin, F. L., 38.
Markley, M. C., 46.
Markuson, M. J., 41.
Marlatt, A. L., 97.
Marlatt, L. H., 16.
Marquardt, J. C., 65.
Marsh, H., 54.
Marsh, Mrs. J. L., 95.
Marsh, R. L., 23.
Marshall, E. D., 3.
Marshall, H. C., 92.
Marshall, H. L., 14.
Marshall, L. A., 15.
Marshall, M., 56.
Marshall, R. E., 44.
Marsteller, R. P., 87.
Marston, A., III.
Marston, A. R., 44, 45.
Marston, B. W., 99.
Marston, H. W., II.
Martin, A. W., 20.
Martin, C. L., 56.
Martin, E., 4.
Martin, E. F., 88.
Martin, F. G., 14.
Martin, G. E., 74.
Martin, H. M., 55.
Martin, J. C., 6.
Martin, Jas. H., 35.
Martin, Jos. H., 34.
Martin, J. P., 19.
Martin, L., 52.
Martin, M. E. (Ala.), 2.
Martin, M. E. (Ind.), 25.
Martin, O. B., 86.
Martin, S. P., 3.
Martin, T. T., 51.
Martin, V. G., 49.
Martin, W. E., 42.
Martin, W. H. (Kans.), 32.
Martin, W. H. (N. J.), 59, 60.
Martin, W. M., 53.
Martin, W. P., 33.
Martin, W. R., jr., 52.
Martinsen, S. C., 46.
Marvin, G. E., 96.
Marx, F., 83.
Mason, C. J., 11.
Mason, E. L., 12.
Mason, J. E., 88.
Mason, M. A., 55.
Mason, M. F., 43.
Mason, O. A., 88.
Mason, O'N., 43.
Mason, R. L., 95.
Massey, A. B., 91.
Massey, E. E., 49.
Massey, L. M., 65.
Massey, Z. A., 17.
Massó, G., 80.
Masten, M. A., 25.
Masterman, Mrs. N. K., 64.
Mather, S., 4.
Matheson, R., 63.
Mathews, F. P., 26.
Mathews, H. B., 84.
Mathews, R., 35.
Mathews, S. J., 16.
Mathias, F. J., 85.
Mathis, W. T., 12.
Matlock, R. L., 21.
Matson, H., 32.
Matthews, J. S., 81.
Matthews, L. S., 69.
Matthews, M. L., III, 24, 25.
Mattson, S., 59, 60.
Maupin, C. J., 34.
Maxfield, F. H., 43.
Maxton, J. L., 91.
Maxwell, D., 49.
Maxwell, D. C., 21.
Maxwell, U. S., 53.
May, C., 72.
May, D. W., 80.
May, E. C., 88.
Maycock, Mrs. R. B., 89.
Mayer, I. D., 25.
Mayer, L. S., 84.
Mayer, W. L., 67.
Mayhew, R. L., 37.
Mayhew, T. C., 7.
Maynard, E. J., 10.
Maynard, L. A., 62.
Mayo, T. F., 87.
Mayoue, G. C., 68.
Mayton, E. L., 1.
Meacham, F. B., 67.
Meacham, F. T., 67.
Mead, S. W., 6.
Meade, DeV., 39.
Meader, A. L., 35.
Means, R. H., 49.
Meares, J. S., 67.
Mears, H. M., 92.
Mecartney, J. L., 79.
Meckstroth, G. A., 81.
Medlar, A. W., 55.
Medlock, O. C., 2.
Medsker, S. L., 44.
Meek, H. B., 64.
Megee, C. R., 44.
Mehaffey, E. E., 57.
Mehrhof, N. R., 14.
Melchers, L. E., 31.
Meldrum, H. R., 29.
Melhus, I. E., 27.
Mellon, M. G., 24.
Meloche, G. L., 97.
Melvin, B. L., 65.
Mendenhall, Mrs. D. R., 97.
Mendenhall, R., 5.
Menefee, E. R., 26.
Menville, R. L., 36.
Merchant, C. H., 38.
Merchant, I. A., 30.
Mercier, W. B., III, 36.
Merkle, F. G., 77.
Merrill, A. C., 88.
Merrill, A. R., 11.
Merrill, J. F., 32.
Merrill, L. H., 38.
Merrill, L. S., 37.
Merryfield, F., 76.
Mervine, E. M., 28.
Meske, A. E., 58, 60.
Messenger, V., 74.
Metcalf, H. J., 63.
Metcalf, W., 8.
Metcalf, Z. P., 66, 67.
Methley, W., 48.
Metzger, C. H., 11.
Metzger, E. J., 55.
Metzger, H. J., 62.
Metzger, J. E., 38.
Meulen, P. A. van der, 58.
Meyer, A. H., 36.
Meyer, A. J., 50.
Meyer, B. S., 70.
Meyer, C. R., 23.
Meyer, D. B., 45.
Michael, K. S., 16.
Michael, S. T., 9.
Michael, V. M., 21.
Michaels, W. H., 23.
Michels, C. A., 19.
Mickel, C. E., 47.
Mickey, A. B., 99.
Middleton, E. B., 86.
Middleton, G. K., 66.
Middleton, R. M., 16, 17.
Midgley, A. R., 90.
Mighell, A. T., 28.
Mighell, M., 93.

Mighell, R. L., 41.
Milam, A. B., 76.
Miles, L. E., 49.
Miles, M., 32.
Miles, S. R., 24.
Millar, C. E., 45.
Miller, A. R. (Mich.), 45.
Miller, A. R. (R. I.), 80.
Miller, C. B., 28, 29.
Miller, C. D., 18.
Miller, C. E., 68.
Miller, C. G., 44.
Miller, C. W., 45.
Miller, D. F., 71.
Miller, Mrs. D. I., 95.
Miller, E. A., 86.
Miller, E. C., 31.
Miller, E. F. (Iowa), 29.
Miller, E. F. (Utah), 89.
Miller, E. J., 43.
Miller, F. E., 67.
Miller, F. W., 60.
Miller, G. W., 70.
Miller, H., 58, 59.
Miller, J. A., 15.
Miller, J. C., 37.
Miller, J. N., 71.
Miller, L., 56.
Miller, L. B., 21.
Miller, M. F., 52.
Miller, M. M., 47.
Miller, M. R., 56.
Miller, M. W., 94.
Miller, P. A., 9.
Miller, P. E., 48.
Miller, P. L., 28.
Miller, P. R., 44.
Miller, P. T., 98.
Miller, R. C. (Ky.), 34.
Miller, R. C. (N. Dak.), 69.
Miller, R. C. (Pa.), 79.
Miller, R. D., 30.
Miller, R. F., 6.
Miller, R. H., 53.
Miller, R. N., 93.
Miller, W. L., 83.
Millhouse, L., 97.
Milligan, D. A., 22.
Mills, M. E., 56.
Mills, P. J., 36.
Mills, W. D., 65.
Mills, W. H., 82.
Mills, W. O., 26.
Milton, R. H., 84.
Milward, J. G., 97.
Mims, M., 36.
Miner, G. I., 40.
Minert, K. A., 29.
Minnis, M., 91.
Minns, L. A., 64.
Minor, L. H., 83.
Minor, W. A., 15.
Minteer, C. C., 55.
Minton, Mrs. E. S., 71.
Misner, E. G., 63.
Mitchell, D. R., 96.
Mitchell, E. A., 26.
Mitchell, F. E., 17.
Mitchell, G. A., 77.
Mitchell, H. H., 21.
Mitchell, J. H., 81.
Mitchell, L. B., 29.
Mitchell, T. B., 67.
Mittelman, E. B., 76.
Mixson, C., 87.
Mize, Mrs. L. R., 16.
Mobley, M. D., 16.
Moe, L. H., 73.
Moen, J., 89.
Moffet, H. C., 50.
Moffit, H. P., 74.
Moffitt, E. L., 78.
Mogford, J. S., 86.
Mohr, C., 66.
Moles, H. S., 36.
Mollenhoff, D., 16.
Monahan, W. C., 42.
Moneymaker, B. C., 85.
Monosmith, P. B., 50.
Monroe, C. F. (N. Dak.), 68.
Monroe, C. F. (Ohio), 72.
Monroe, M., 99.
Monroe, Z., 35.
Monsch, H., 64.
Monson, O. W., 53.
Montague, E. J., 42.
Montgomery, B. E., 25.
Montgomery, C. A., 91.
Montgomery, G., 32.
Montgomery, J. T., 20.
Montgomery, L. M., 71.
Montgomery, R. J., 68.
Moody, H. W., 50.
Moody, P. A., 90.
Mooers, C. A., III, 84.
Moomaw, L., 69.
Moore, A. V., 25.
Moore, C. B., 63.
Moore, E. R., 75.
Moore, F. E., 20.
Moore, G. A., 74.
Moore, H. C. (Mich.), 44.
Moore, H. C. (N. H.), 57.
Moore, H. L., 91.
Moore, H. R., 70, 72.
Moore, J. D., 1.
Moore, J. G., 97.
Moore, J. H., 66.
Moore, J. M., 45.
Moore, J. S. (Ga.), 17.
Moore, J. S. (Miss.), 49.
Moore, L. A., 43.
Moore, M. G., 65.
Moore, M. H., 50.
Moore, M. I., 88.
Moore, P., 20.
Moore, P. A., 87.
Moore, P. J., 95.
Moore, R., 37.
Moore, R. A., 96.
Moore, R. B., 24.
Moore, R. C., 92.
Moore, V. P., 14.
Moore, W., 76.
Moore, W. P., 91.
Moorhouse, L. A., 10.
Mooring, D. C., 75.
Moran, C., 57.
Morcock, J. C., 16.
Mordoff, R. A., 62.
Morehouse, M. C., 64.
Moreland, C. C., 36.
Moreland, C. F., 36.
Moreland, E., 85.
Moreland, W. H., 37.
Moreland, W. S., 58.
Morgan, Mrs. A. F., 8.
Morgan, B., 28.
Morgan, C. L., 81.
Morgan, E. L., 52.
Morgan, G. W., 54.
Morgan, H. A., 84.
Morgan, J. O., 86.
Morgan, M. F., 13.
Morgan, O. K., 50.
Morgan, R. F., 54.
Morin, G. E., 64.
Morison, F. L., 70, 72.
Morita, H. T., 19.
Morley, Mrs. R. D., 41.
Morofsky, W. F., 43.
Morrill, W. J., 10.
Morris, F. B., 63.
Morris, H., 37.
Morris, H. E., 53.
Morris, H. F., 88.
Morris, H. P., 46.
Morris, L., 75.
Morris, M., 33.
Morris, O. M., 94.
Morris, S. S., 35.
Morris, V. H., 72.
Morris, W. E., 46.
Morrish, R. H., 44.
Morrison, E., 45.
Morrison, F. B., III, 62.
Morrison, H. B., jr., 46.
Morrison, S. E., 45.
Morrow, E. B., 67.
Morrow, K. S., 95.
Morse, A. P., 47.
Morse, F. W., 41.
Morse, W. C., 49.
Morse, W. J., 37.
Mortensen, M., 28.
Mortenson, W. P., 32.
Mortimer, G. B., 96.
Morton, C., 64.
Morton, G. E., 9.
Morton, G. M., 55.
Moses, B. D., 7.
Mosher, A. M., 82.
Mosher, M. L., 22.
Moss, A. E., 12.
Moss, E. G., 67.
Moss, W. A., 20.
Most, B. R., 11.
Mostyn, R. M., 39.
Mote, D. C., 76.
Moton, R. R., 2.
Mount, M. M., 38.
Mowry, H., 15.
Moxley, H. F., 42.
Moxley, J. J., 31.
Mucks, A. M., 96.
Mudge, C. S., 6.
Muehl, D. E., 26.
Muenscher, W. C., 62.
Mugglestone, H. B., 9.
Muilenburg, G., 51.
Muir, F., 19.
Muldrow, M. W., 4.
Mulford, W., 8.
Mullen, S. A., 35.
Mulvey, R. R., 24.
Mumford, C. W., 13.
Mumford, E., 45.
Mumford, F. B. III, 50.
Mumford, H. W., III, 21.
Mumm, W. J., 21.
Muncie, J. H., 42.
Munday, R. A., 3.
Mundinger, F. G., 66.
Munger, S. C., 23.
Munkwitz, R. C., 39.
Munn, M. T., 65.
Munnerlyn, W. F., 86.
Munro, J. A., 69.
Munson, W. A., 40.
Murdock, H. E., 53.
Murneek, A. E., 52.
Murphey, F. T., 79.
Murphey, M. B., 58.
Murphy, A., 81.
Murphy, E. L., 39.
Murphy, H. F., 74.
Murphy, R. M., 84.
Murray, A. M., 68.
Murray, C., 30.
Murray, D. P., 89.
Murray, H. R., 13.
Murray, S. T., 74.
Murray, T. B., 20.
Murray, T. J., 58.
Murray, W. G., 28.
Musbach, F. L., 98.
Muse, M., 90.
Musgrave, M., 38.
Mussehl, F. E., 55.
Musselman, H. H., 43.
Musser, A. M., 82.
Musser, H. B., 77.
Muth, O. H., 77.
Mutten, G., 28.
Myer, D. S., 70.
Myers, C. E., 79.
Myers, C. H., 64.
Myers, H. E., 31.
Myers, M. B., 74.
Myers, P. B., 13.
Myers, W. I., 63.
Myrland, R. H., 97.

Nabours, R. K., 33.
Nafe, R. W., 65.

Nageotte, J., 34.
Nakamura, F. I., 21.
Nance, G. B., 35.
Nance, R. E., 66.
Nason, E., 38.
Naylor, E. E., 51.
Naylor, N. M., 27.
Naylor, P. B., 51.
Neal, E. H., 20.
Neal, J. H., 46.
Neal, W. M., 14.
Neale, J. R., 98.
Neasham, E. W., 36.
Nebel, B. R., 66.
Neblette, C. B., 87.
Needham, J. G., 63.
Neel, L. R., 85.
Neely, J., 81.
Neely, W. J., 5.
Neff, J. C., 70.
Negaard, O. A., 98.
Neil, R. B., 81.
Neilson, J. A., 44.
Neiswander, C. R., 72.
Neiswander, R. B., 72.
Neller, J. R., 93.
Nelson, A., 98.
Nelson, A. L., 99.
Nelson, A. M., 5.
Nelson, C. B., 15.
Nelson, C. I., 68.
Nelson, C. W., 43.
Nelson, D. H., 6.
Nelson, J. A., 53.
Nelson, J. R., 60.
Nelson, M. 4.
Nelson, M. N., 75.
Nelson, O. M., 75.
Nelson, P., 18.
Nelson, P. J., 74.
Nelson, P. M., 29.
Nelson, R., 42.
Nelson, R. E., 24.
Nelson, S., 83.
Nelson, S. B., 93.
Nelson, T. C., 59, 60.
Nelson, V. E., 28.
Nelson, W. W., 48.
Nemeck, M. E., 54.
Nesbitt, C., 19.
Nesbitt, L. L., 68.
Nesbitt, N., 95.
Nesom, G. H., 48.
Ness, H., 31.
Ness, Mrs. H., 29.
Neubrech, W. L., 25.
Neumann, P. F., 43.
Nevens, W. B., 22.
Newbill, A., 93.
Newcomb, M. A., 32.
Newell, H. M., 23.
Newell, P. F., 49.
Newell, W., 14.
Newhall, A. G., 65.
Newlander, J. A., 90.
Newlon, J. B., 41.
Newlon, W. E., 9.
Newman, C. C., 82.
Newman, G. B., 79.
Newman, O., 20.
Newsom, I. E., 11.
Newton, C. 16, 17.
Newton, G. A., 94.
Newton, H. D., 11.
Newton, J. H., 10.
Newton, J. O., 47.
Newton, R. F., 24.
Nibler, C. W., 54.
Nichol, A. A., 4.
Nicholas, J. E., 78.
Nicholls, W. D., 34.
Nichols, H. E., 30.
Nichols, M. L., 1.
Nichols, P. F., 8.
Nicholson, J. F., 51.
Nicholson, K. J., 25.
Nickell, P., 47.
Nickolls, C. L., 73.
Niedermeyer, A. C., 52.
Niemann, K. W., 56.
Niesley, H. G., 78.
Nightingale, G. T., 59, 60.
Nikiforoff, C. C., 48.
Niles, Mrs. K. B., 47.
Nilson, W. L., 48.
Ning, W. S., 19.
Nisbet, J. C., 32.
Nisonger, H. W., 69.
Nissley, C. H., 59.
Nissley, W. B., 79.
Niswonger, H. R., 67.
Nixon, E. L., 78.
Nixon, H. W., 1.
Noble, C. V., 14.
Noble, D. E., 12.
Noble, E. C., 55.
Nodine, E. H., 41.
Noer, R. D., 95.
Nolan, A. W., 22.
Nolan, L. S., 12.
Nolan, O. L., 12.
Noland, T. W., 52.
Nolen, R. E., 15.
Noll, C. F., 77.
Nolla, J. A. B., 80.
Nordby, J. E., 20.
Norris, E. B., III.
Norris, E. M., 35.
Norris, L. C., 65.
Norris, R. K., 77.
North, H. F. A., 80.
Northcutt, W. D., jr., 87.
Norton, E. A., 21.
Norton, J. B. S., 40.
Norton, J. E., 53.
Norton, L. J., 22.
Norton, W. J., 8.
Nowell, R. I., 22.
Noyes, H., 55.
Nuckolls, W. J., jr., 91.
Nutter, J. W., 34.
Nuttycombe, J. W., 85.
Nye, C., 76.
Nylin, V. E., 46.
Oakes, C. W., 31.
Oberlin, R. W., 51.
O'Bryan, E., 29.
O'Byrne, J. W., 91.
Odell, A., 89.
Oderkirk, G. C., 25.
Odland, T. E., 80.
Ogden, H. P., 84.
Ogden, W. B., 97.
Ogier, T. L., 86.
Ogle, L. C., 71.
Ogle, O., 85.
Ogle, R. C., 65.
O'Kane, W. C., 57.
O'Kelly, J. F., 49.
Okey, R. E., 8.
Oldenburg, F. W., 38.
Oleson, G. O., 41.
Oliveira, J., 19.
Oliver, A. W., 75.
Oliver, J. G., 16.
Oliver, L. M., 72.
Olmstead, R. H., 78.
Olney, A. J., 35.
Olney, J. F., 55.
Olney, R. A., 95.
O'Loughlin, M. A., 61.
Olsen, A. L., 64.
Olson, F. C., 21.
Olson, O., 77.
Olson, P. J., 68.
Olson, T. M., 83.
Onsdorff, T., 77.
Opdycke, L. H., 57.
O'Roke, G. W., 99.
Orr, D. M., 74.
Orr, H. W., 73.
Orr, J. L., 83.
Orrben, C. L., 29.
Orton, C. R., 95.
Osborn, A., 97.
Osborn, E. B., 98.
Osborn, G. A., 59, 60.
Osborn, H., 71, 72.
Osborn, J. L., 77.
Osborn, L. W., 74.
Osborne, Mrs. M., 97.
Osburn, R. C., 71.
Osgood, B. E., 38.
Oskamp, J., 64.
Osland, H. B., 10.
Osmun, A. V., 40.
Osteen, A. J., 17.
Osterberger, B. A., 37.
Ostergaard, J. M., 18.
Osuna, P., 80.
Otis, J. R., 3.
Overholser, E. L., 94.
Overholt, V. L., 70, 72.
Overholts, L. O., 78.
Overley, F. L., 94.
Overman, O. R., 22.
Overpeck, J. C., 61.
Overstreet, A. L., 82.
Overstreet, R., 19.
Oveson, M. M., 77.
Oviatt, C. R., 44.
Owen, F. V., 38.
Owen, W. L., jr., 87.
Owens, C. A., 82.
Owens, C. C., 3.
Owens, C. E., 75.
Owens, H. B., 16.
Owens, J. S., 11.
Owens, W. G., 16.
Owens, W. W., 89.
Oyler, M., 34.

Packard, R. C., 40.
Packer, V. L., 17.
Paddock, F. B., 31.
Paddock, W., 71.
Paden, W. R., 81.
Padgett, I., 79.
Pahau, R., 18.
Paine, L. S., 86.
Painter, R. H., 32.
Palmer, B. M., 95.
Palmer, C. C., 13.
Palmer, E., 25.
Palmer, E. L., 63.
Palmer, H. S. (Del.), 13.
Palmer, H. S. (Hawaii), 18.
Palmer, L. R., 2.
Palmer, L. S., 46.
Palmer, M. A., 10.
Palmer, P. F., 26.
Palmer, W. C., 69.
Palmer, W. H., 70.
Pammel, L. H., 27.
Parfitt, E. H., 25.
Parham, L. D., 66.
Park, J. B., 70, 72.
Park, O. W., 31.
Parker, E. R., 8.
Parker, J. H., 31.
Parker, M. M., 92.
Parker, R. L., 32.
Parker, S. L., 9.
Parker, S. R., 41.
Parkinson, H. G., 78.
Parks, H. B., 87.
Parks, R. R., 51.
Parks, T. H., 71.
Parmenter, R. B., 41.
Parrish, C. F., 67.
Parrott, E. M., 41.
Parrott, P. J., 65.
Parshall, R. L., 10.
Parsons, D. W., 95.
Parsons, H. T., 97.
Parsons, M. S., 38.
Partch, L. A., 26.
Parten, H. L., 47.
Partridge, N. L., 44.
Paschal, L. J., 98.
Patch, A. J., 45.
Patch, E. M., 38.
Patch, G., jr., 43.
Patch, R. H., 12.
Paton, R. R., 72.
Patrick, A. L., 77.
Patrick, C. S., 82.
Patt, E. M., 26.
Patterson, F. D. (Ala.), 3

Patterson, F. D. (Iowa), 27.
Patterson, H. J., 38.
Patterson, I., 43.
Patterson, J. R., 76.
Patterson, M. F., 8.
Patterson, T. M., 49.
Patton, C. A., 72.
Patton, H. S., 43.
Patton, J. W., 45.
Patton, S., 97.
Patty, R. L., 83.
Paulson, W. E., 86.
Paxton, G. E., 19.
Payne, L. F., 33.
Peabody, G. E., 63.
Peacock, N. D., 85.
Peairs, L. M., 95.
Pearce, S. D., 87.
Pearson, F. A., 63.
Pearson, H., 98.
Pearson, H. A., 69.
Pearson, M. V., 74.
Pearson, N., 43.
Pearson, O. H., 8.
Pearson, P. H., 45.
Pearson, R. A., III, 38.
Peck, A. L., 77.
Peck, F. W., 46.
Peck, G. W., 64.
Peck, M., 28.
Pederson, C. S., 65.
Peebles, Mrs. E. L., 5.
Peet, Mrs. L. J., 30.
Pegram, C. W., 91.
Pegues, M. E., 83.
Peltier, G. L., 54.
Pelton, W. C., 85.
Pember, F. R., 80.
Pemberton, C. E., 19.
Pence, M. O., 24.
Pence, R. O., 31.
Pennock, O. P., 10.
Penquite, R., 75.
Penrod, B., 22.
Peppard, Mrs. L. L., 81.
Pepper, J. O., 79.
Pepsico, E. V., 53.
Percival, G. P., 57.
Perkins, A. E., 72.
Perkins, A. T., 32.
Perkins, B., jr., 37.
Perkins, E. B., 59.
Perkins, H. F., 90.
Perkins, R. C. L., 19.
Perkins, S. O., 66.
Perkins, V. D., 37.
Perkins, W. R., 50.
Perregaux, E. A., 12.
Perrin, L. E., 36.
Perry, B., 27.
Perry, B. L., 15.
Perry, E. J., 58.
Perry, R. L., 7.
Perry, W. M., 92.
Persells, H. V., 17.
Person, F. G., 11.
Person, L. H., jr., 36.
Peters, C. A., 41.
Peters, L. S., 61.
Peters, M. K., 55.
Peters, W. H., 46.
Petersen, J. F., 99.
Petersen, W. E., 46.
Peterson, A., 71.
Peterson, E. G., III, 88.
Peterson, I. L., 23.
Peterson, J. B., 29.
Peterson, L., 47.
Peterson, V., 82.
Peterson, W., 88, 89.
Peterson, W. H., 96.
Petry, L. C., 62.
Pettigrove, H. R., 44.
Pettinger, N. A., 91.
Pettit, R. H., 43.
Peyton, J. C., 50.
Pfeiffer, W. H., 79.
Pflueger, O. W., 79.
Pfund, M., 64.
Phagan, C. V., 74.
Phelps, E. L., 47.
Phelps, L. A., 74.
Phillips, C. A., 6.
Phillips, C. D., 35.
Phillips, C. E., 13.
Phillips, E. F., 63.
Phillips, Mrs. M. A., 95.
Phillips, T. D., 70.
Phillips, T. G., 57.
Philp, G. L., 8.
Phipps, C. R., 38.
Pickens, E. M., 39.
Pickens, L. M., 23.
Pickens, N., 2.
Pickett, B. S., 30.
Pickett, F. L., 93.
Pickett, W. F., 33.
Pickrell, C. U., 3.
Pickrell, K. P., 3, 61.
Pieper, J. J., 21.
Pierce, W. H., 20.
Pierre, W. H., 94.
Pierson, E. M., 83.
Pierstorff, A. L., 70.
Pilchard, E. I., 22.
Pilcher, R. W., 51.
Pilkey, A. M., 48.
Pillsbury, J. P., 67.
Pinckney, A. J., 68.
Pinckney, R. M., 48.
Pinckney, S. M., 83.
Pinder, L. M., 79.
Pingrey, H. B., 10.
Pittman, Mrs. B. C., 89.
Pittman, D. W., 88.
Pittman, M. S., 33.
Pixton, H., 89.
Plagge, H. H., 30.
Plagge, H. J., 30.
Plakidas, A. G., 36.
Plant, M. L., 23.
Plastridge, W. N., 11.
Plath, C. H., 69.
Platt, C. S., 59, 60.
Plumb, C. S., 70.
Plummer, B. E., jr., 38.
Poelma, L. J., 39.
Poling, D. V., 76.
Polivka, J. B., 72.
Polk, H. D., 50.
Polk, T. P., 34.
Pollard, F. H., 81.
Pollinger, W. E., 54.
Pond, E., 29.
Pond, G. A., 47.
Pontius, B. E., 24.
Pool, R. J., 54.
Poole, R. F., 66.
Pope, J. D., 1.
Pope, J. P., 56.
Pope, W. T., 18.
Popham, W. D., 30.
Popp, H. W., 78.
Porges, N., 60.
Porter, C. L., 24.
Porter, D. D., 59.
Porter, D. R., 8.
Porter, J. A., 45.
Porter, J. P. (N. Y.), 64.
Porter, J. P. (Tenn.), 84.
Porter, R. H., 27.
Porter, W. D., 89.
Posey, W. B., 38.
Post, A. H., 53.
Post, K. E., 44.
Post, R. E., 83.
Potter, A. A., III.
Potter, C., 19.
Potter, C. E., 53.
Potter, E. L., 75.
Potter, G. F., 57.
Potter, M. T., 33.
Potter, P. B., 91.
Potts, H. C., 74.
Potts, L. A., 88.
Potts, W. M., 86.
Powell, Mrs. E. D., 50.
Powell, M., 75.
Powell, M. E., 51.
Powers, E. B., 85.
Powers, LeR., 53.
Powers, W. F., 42.
Powers, W. L., 77.
Pratt, A. D., 11.
Pratt, B. A., 74.
Pratt, F. R., 59.
Pratt, J. H., 19.
Prentice, B. N., 25.
Prentiss, S. W., 76.
Pressley, E. H., 4.
Preston, H. D., 21.
Prettyman, H. W., 95.
Prevost, E. S., 82.
Price, A., 76.
Price, E. R., 91.
Price, F. E., 76.
Price, H. B., 35.
Price, H. L., 91.
Price, J. C. C., 50.
Price, J. W., 71.
Price, M., 70.
Price, R. B., 52.
Price, W. A., 35.
Price, W. V., 96.
Pridham, A. M. S., 64.
Priest, C., 18.
Prince, A. L., 59, 60.
Prince, F. S., 56.
Prince, G. E., 82.
Pringle, H. S., 63.
Pringle, M. P., 18.
Proctor, R. E., 34.
Proebsting, E. L., 8.
Prucha, M. J., 22.
Przyluska, W., 71.
Publow, H. E., 43.
Pucher, G. W., 12.
Pugsley, C. W., 83.
Puhr, L. F., 83.
Pulley, H. C., 88.
Purcell, M. E., 97.
Purnell, F. S., 26.
Purvis, E. R., 15.
Purwin, P. F. K., 30.
Puryear, C., 86.
Pushee, G. F., 41.
Putnam, G. W., 44, 45.
Putnam, H., 30.
Putnam, P. L., 12.
Pyke, W. E., 10.

Quaife, E. L., 27.
Quayle, H. J., 7.
Quayle, W. L., 99.
Quesenberry, G. R., 61.
Quigley, G. D., 40.
Quinby, J. R., 88.
Quinlan, E., 33.
Quinlan, L. R., 33.
Quinn, J. T., 52.
Quist, J. S., 28.

Raburn, G. E., 33.
Radir, P. L., 18.
Raeder, J. M., 20.
Rafnel, R. V., 50.
Ragland, C. H., 50.
Ragsdale, A. C., 51.
Ragsdale, L. G., 87.
Rahn, O., 62.
Raisbeck, A. R., 97.
Raleigh, S. M., 46.
Ralston, W. R., 7.
Ramer, M., 44.
Ram'rez, J. H., 80.
Ramsower, H. C., III, 69.
Randall, G. O., 67.
Randolph, E. E., 67.
Randolph, F. H., 63.
Randolph, J. W., 2.
Randolph, L. F., 64.
Randolph, Mrs. R. S., 97.
Randolph, W. L., 1.
Rankin, F. H., 22.
Rankin, J. O., 55.
Rankin, W. H., 65.
Ranney, E. S., 4.
Ranney, W. P., 47.
Raper, P. A., 40.
Rapking, A. H., 95.
Rapp, M., 26.

Rasmussen, E. J., 57.
Rasmussen, M. P., 63.
Rather, H. C., 43.
Raven, M. I., 59.
Rawlins, T. E., 9.
Rea, H. E., 86.
Rea, J. L., jr., 67.
Read, Mrs. K. H., 26.
Reade, J. M., 16.
Rearden, J. H., 20.
Reaves, P. M., 91.
Rebrassier, R. E., 71, 72.
Reck, S. H., jr., 84.
Recknagel, A. B., 63.
Record, P. R., 72.
Records, E., 56.
Reddick, D., 62.
Redditt, J. R., 55.
Reddy, C. S., 27.
Redfield, G. M., 38.
Redwood, C. W., 65.
Reece, J., 85.
Reed, C. O., 70, 72.
Reed, D. W., 38.
Reed, E. P., 70.
Reed, E. T., 77.
Reed, F. D., 57.
Reed, F. P., 28.
Reed, H. E., 31.
Reed, H. J., 24.
Reed, H. S. (Calif.), 9.
Reed, H. S. (Mich.), 43.
Reed, J. R., 4.
Reed, R. C., 39.
Reed, Mrs. S. A., 77.
Reeder, G., 52.
Rees, J. R., 25.
Rees, L. W., 47.
Reese, H. M., 52.
Reese, M., 44.
Reese, N. M., 17.
Reeves, J., 15.
Reeves, K., 64.
Reeves, L. E., 34.
Reeves, R. G., 86.
Regan, M. J., 51.
Regan, W. M., 6.
Regeimbal, L. O., 48.
Regenbrecht, E. M., 86.
Regt, A. C. de, 58.
Reichart, E. L., 55.
Reid, A. H., 92.
Reid, D. H., 86.
Reid, J. E., 14.
Reid, M. L., 47.
Reid, T. R., 5.
Reid, W. H. E., 51.
Reider, E. S., 78.
Reimer, F. C., 77.
Reinhard, H. J., 87.
Reis, G., 44.
Reist, H. N., 78.
Reitch, T. C., 87.
Remsberg, J. D., jr., 19.
Remund, Mrs. R. H., 74.
Reppert, R. R., 87.
Ressler, B. C. V., 85.
Rettger, L. F., 11.
Reuszer, H. W., 60.
Rextrew, A., 13.
Reyna, E. E., 62.
Reynolds, C., 16.
Reynolds, D. L., 5.
Reynolds, E. B., 86.
Reynolds, J. A., 63.
Reynolds, J. L., 17.
Reynolds, Mrs. M. S., 97.
Reynolds, P. M., 69.
Reynolds, S. D., jr., 87.
Rhoades, H. F., 52.
Rhoads, A. S., 15.
Rhoads, E. M., 30.
Rhoads, W., 34.
Rhode, C. S., 22.
Rhodes, D. E., 52.
Rhodes, V. D., 25.
Rhyne, E., 54.
Rice, C. D., 30.
Rice, J. E., 65.
Rice, M. A., 81.
Rice, V. A., 40.
Rice, W. H., 40.
Rice, W. S., 16.
Rich, F. A., 90.
Richards, B. L., 88.
Richards, D. E., 53.
Richards, G., 98.
Richards, M. E., 85.
Richards, P., 51.
Richardson, A. G. G., 17.
Richardson, C. H., 31.
Richardson, C. S., 39.
Richardson, E. H., 31.
Richardson, Mrs. E. M., 57.
Richardson, F. L., 90.
Richardson, G. A., 7.
Richardson, H. L., 37.
Richardson, J. E., 53.
Richardson, J. W., 1.
Richardson Kuntz, P., 80.
Richardson, L. A., 84.
Richardson, L. R., 51.
Richardson, R. H., 17.
Richardson, R. J., 17.
Richey, H. W., 30.
Richmond, J. E., 95.
Richmond, R. G., 10.
Richter, C., 18.
Rickborn, J. H., 81.
Rickett, H. W., 51.
Rickey, L. F., 21.
Ricks, J. R., 49, 50.
Riddell, F. T., 44.
Riddell, W. H., 32.
Riddle, H., 69.
Ridenour, G. M., 60
Riedl, W. A., 98.
Rieman, III, C. W., 58.
Ries, D. T., 79.
Ries, V. H., 71.
Rietz, J. H., 94.
Rifenburgh, S. A., 24.
Riggleman, L. L., 95.
Riggs, O. B., 24.
Righter, F. I., 63.
Rightmire, G. W., III, 69.
Rigney, J. W., 61.
Riising, B. M., 96.
Riker, A. J., 97.
Riker, Mrs. R. S., 97.
Riley, H. B., 76.
Riley, H. K., 25.
Riley, H. W., 63.
Riley, J. A., 82.
Riley, J. E., jr., 13.
Riley, M. C., 96.
Riley, Mrs. M. J., 85.
Riley, M. K., 18.
Riley, O. N., 73.
Riley, R. M., 38.
Riley, W. A., 47.
Rilling, H. E., 69.
Rinear, E. H., 57.
Rinehart, E. F., 20.
Rinehart, J. D., 51.
Ripperton, J. C., 18.
Ritchey, G. E., 14.
Ritchie, R. R., 81,
Ritchie, W. S., 51.
Ritz, F. E., 13.
Ritzman, E. G., 56.
Rivers, E. V., 3.
Roadhouse, C. L., 6.
Robb, B. B., 63.
Robbers, W. R., 59.
Robbins, E. T., 21.
Robbins, F. E., 24.
Robbins, P. W., 44.
Robbins, W. J., 51.
Robbins, W. R., 59, 60.
Robbins, W. W., 6.
Roberts, E., 21.
Roberts, E. H., 93.
Roberts, G., 34.
Roberts, G. A., 92.
Roberts, G. L., 25.
Roberts, J. H., 37.
Roberts, O. C., 42.
Roberts, O. S., 26.
Roberts, R., 55.
Roberts, Ralph E., 25.
Roberts, Roy E., 26.
Roberts, R. H., 97.
Roberts, R. W., 5.
Roberts, T. N., 17.
Robertson, B., 33.
Robertson, D. W., 9.
Robertson, J. H., 84.
Robertson, L. S., 25.
Robey, O. E., 43.
Robichaux, F. J., 36.
Robinson, A., 10.
Robinson, A. B., 22.
Robinson, A. D., 57.
Robinson, B., 84.
Robinson, B. B., 44.
Robinson, C. S., 42.
Robinson, E. P., 57.
Robinson, F. B., 23.
Robinson, J. L., 29.
Robinson, J. M., 2.
Robinson, M., 63.
Robinson, M. E., 52.
Robinson, M. J., 64.
Robinson, R. H., 75.
Robinson, W. J., 37.
Robison, W. L., 72.
Robotka, F., 28.
Robson, H. K., 94.
Roche, B. H., 96.
Rocheford, J. M., 52.
Rochford, L. H., 10.
Rocke, H. A., 55.
Rodenhiser, H. A., 48.
Rodenwold, B. W., 75.
Roderick, D. B., 81.
Roderick, L. M., 69.
Rodgers, A. K., 92.
Rodgers, A. S., 92.
Rodgers, B., 83.
Rodolfo, A., 97, 98.
Roe, H. B., 46.
Roehl, L. M., 63.
Rogers, C. E., 33.
Rogers, C. F., 46.
Rogers, C. H., 58.
Rogers, E. C., 12.
Rogers, F., 14.
Rogers, H. S., III, 76.
Rogers, H. W., 73.
Rogers, J. H., 87.
Rogers, M. C., 43.
Rogers, R., 69.
Rogers, R. H., 67.
Rogers, W. B., 81.
Rohrbeck, E. H., 78.
Rohwer, C., 10.
Rolfe, A. B., 48.
Rolfs, F. M., 73.
Rollins, H. A., 57.
Rollins, L. H., 85.
Roman, Mrs. N. M., 64.
Romanoff, A. L., 65.
Romell, L. G., 62.
Romness, J., 46.
Rood, C. A., 43.
Rosa, D. G., 68.
Rosborough, J. F., 87.
Rose, E. J., 47.
Rose, F., 63.
Rose, R. C., 48.
Roseboom, B. B., 45.
Rosen, H. R., 5.
Rosenberger, A., 84.
Rosenblatt, M., 16.
Rosenkrans, D. B., 81.
Rosenquist, C. E., 54.
Rosewall, O. W., 37.
Ross, A., 71.
Ross, B. B., 1.
Ross, C. S., 17.
Ross, H. E., 62.
Ross, P. H., 3.
Ross, R. C., 22.
Rossiter, F. J., 28.

Rost, C. O., 48.
Rothacker, R. R., 30.
Rothermel, A. W., 98.
Rothgeb, R. G., 38.
Rouse, W. L., 34.
Rowalt, E. M., 57.
Rowan, L. J., 50.
Rowe, C. F., 4.
Rowe, H. B., 41
Rowell, L. S., 90.
Rowland, J. J., 23.
Rowlands, W. A., 97.
Rowley, H. K., 94.
Roy, K. B., 5.
Roy, W. R., 34.
Rozman, D., 41.
Rubel, C. W., 7.
Rubin, A. L., 85.
Ruble, F. J., 70.
Ruby, G. C., 55.
Rucker, H. J., 22.
Rudnick, A. W., 28.
Rudolfs, W., 59, 60.
Rudolph, B. A., 9.
Ruef, J. U., 79.
Ruehe, H. A., 22.
Ruehle, G. D., 94.
Ruffin, W. A., 2.
Ruffner, R. H., 66.
Ruggles, A. G., 47.
Rule, G. K., 38.
Rumsey, W. E., 95.
Runnalls, W. J., 55.
Runnells, R. A., 92.
Runnels, H. A., 72.
Rupel, I. W., 96.
Ruprecht, R. W., 14.
Rusk, D. E., 56.
Rusk, H. P., 21.
Russel, J. C., 54.
Russell, B. A., 82.
Russell, D., 86.
Russell, F. L., 37.
Russell, H. L., 96.
Russell, M., 30.
Russell, R., 39.
Russell, W. C., 58.
Rust, Mrs. L. O., 33.
Ruth, W. A., 23.
Ruzek, C. V., 77.
Ryan, E., 71.

Sabin, D. R., 98.
Sackett, W. G., 10.
Sadler, W. P., 91.
Sagen, H. E., 96.
St. John, H., 18.
St. John, J. L., 93.
St. John, R. R., 24.
St. Julian, R. R., 73.
Sales, E. K., 45.
Salisbury, S. M., 69.
Salman, K. A., 41.
Salmon, S. C., 31.
Salmon, W. D., 1.
Salter, E. M., 97.
Salter, F. J., 71.
Salter, R. M., 71.
Sammis, J. L., 96.
Sampson, A. W., 8.
Sampson, H. C., 70.
Sampson, H. O., 58.
Sams, C. L., 67.
Samson, R. W., 24.
Sanborn, C. E., 74.
Sanborn, M. L., 57.
Sanborn, N. W., 14.
Sanborn, R., 42.
Sanctuary, W. C., 42.
Sanders, D. A., 14.
Sanders, E. F., 52.
Sanders, H. W., 91.
Sanders, J. P., 84.
Sanders, J. T., 74.
Sanders, O. W., 50.
Sanders, P. D., 39.
Sanders, R. W., 64.
Sanders, W. H., 32.
Sanderson, E. D., 65.
Sanderson, T., 68.
Sands, G. C., 53.
Sandstedt, R. M., 54.
Sandsten, E. P., 11.
Sandstrom, L., 30.
Sandstrom, W. M., 46.
Sanford, J. E., 15.
Sargent, C. G., 10.
Sargent, G. T., 1.
Sass, J. E., 27.
Satterfield, G. H., 67.
Saunders, W. D., 91.
Saunderson, M. H., 53.
Sauve, E. C., 43.
Savage, D. A., 34.
Savage, E. S., 62.
Savage, J. R., 72.
Saville, R. J., 36.
Sawyer, C. E., 94.
Sayre, C. B., 66.
Sayre, H. A., 30.
Sayre, J. D., 72.
Scarseth, G. D., 1.
Schaars, M. A., 96.
Schafer, E. G., 93.
Schaffer, O. G., 23.
Schaffner, J. H., 70.
Schalk, A. F., 69.
Schaub, I. O., III, 66.
Scheidenhelm, E. C., 55.
Scherer, N. W., 71.
Schermerhorn, L. G., 59, 60.
Schertz, F. D., 74.
Scheve, M., 11.
Schiefelbusch, T. L., 73.
Schierz, E. R., 98.
Schilletter, A. E., 82.
Schilletter, J. C., 30.
Schilling, G. S., 20.
Schilling, K. E., 41.
Schilling, S. J., 1.
Schlenker, F. S., 81.
Schlots, F. E., 21.
Schlundt, H., 51.
Schmidt, G. A., 10.
Schmidt, G. H., 60.
Schmidt, H., 87.
Schmidt, J. P., 70.
Schmidt, R., 67.
Schmitz, H., 47.
Schmitz, N., 77.
Schnaidt, W. F., 83.
Schneck, M., 47.
Schneiderhan, F. J., 95.
Schnopp, W. C., 95.
Schoene, W. J., 91.
Scholl, C. A., 43.
Scholl, E. E., 74.
Schollander, E. G., 69.
Schollenberger, C. J., 72.
Scholten, J. A., 20.
Schonbrod, W., 84.
Schoonover, W. R., 8.
Schoth, A. J., 32.
Schoth, H. A., 76.
Schott, F. N., 11.
Schott, R. G., 29.
Schrader, A. L., 39.
Schrader, G. A., 96.
Schrampfer, W. H., 28.
Schreiber, A. M., 23.
Schrock, C. E., 91.
Schrumpf, W. E., 38.
Schulte, J. I., II.
Schulte, R. B., 26.
Schultz, L. C., 7.
Schultz, O. C., 73.
Schulz, J. A., 27, 28.
Schulze, A. F., 12.
Schumacher, F. X., 8.
Schumacker, C. E., 25.
Schuster, C. E., 77.
Schuster, G. L., 13.
Schutt, C. D., 62.
Schwab, J. W., 24.
Schwalen, H. C., 4.
Schwantes, A. J., 46.
Schwardt, H. H., 5.
Schwarte, L. H., 30.
Schwartz, L. H., 26.
Schwartz, R. L., 86.
Schweers, M. F., 96.
Schwenk, H. S., 11.
Scidmore, Mrs. A. F., 64.
Scoates, D., 87.
Scott, C., 64.
Scott, Mrs. D. B., 64.
Scott, E. L., 24.
Scott, H. M., 33.
Scott, H. T., 96.
Scott, I. T., 51.
Scott, J. P., 33.
Scott, J. W., 99.
Scott, R. C., 16.
Scott, R. J., 64.
Scott, V. E., 56.
Scovell, E. L., 58.
Scoville, G. P., 63.
Scranton, L. L., 69.
Scrivner, L. H., 99.
Scudder, H. D., 75.
Scullen, H. A., 76.
Seal, J. L., 1.
Seamans, A. E., 54.
Seamans, G. H., 4.
Searle, G., 74.
Searles, H. R., 46.
Sears, F. C., 44.
Sears, G. W., 56.
Sears, O. H., 21.
Seaton, J. P., 24.
Seaton, M. A., 33.
Seaton, R. A., III.
Secrest, E., 72.
Secrest, M., 8.
Seeley, D. A., 44.
Seese, P. A., 67.
Segolson, R. F., 47.
Seibert, Mrs. M. R., 59.
Seielstad, H., 68.
Sein, F., jr., 80.
Seitz, C. E., 91.
Selby, Mrs. E. P., 2.
Selby, H. E., 76.
Sell, I. I., 47.
Sellards, H. G., 34.
Selleg, E., 94.
Sellman, R. L., 39.
Sempill, I. E., 26.
Senn, P. H., 14.
Serex, P., 41.
Serrano, L. A., 80.
Serviss, G. H., 3.
Setchell, W. A., 6.
Settle, J. E., jr., 92.
Settle, M. B., 91.
Settler, S. H., 88.
Settles, O., 30.
Severance, G., 93.
Severin, H. C., 83.
Severin, H. H. P., 7.
Severson, A. S., 68.
Severson, H. L., 49.
Sewall, H. W., 48.
Sewell, A., 3.
Sewell, J. G., 6.
Sewell, M. C., 31.
Sewell, W. E., 1.
Sexauer, T. E., 28.
Sexton, W. B., 1.
Seymour, H. C., 76.
Shaben, I. J., 44.
Shaben, L., 64.
Shanklin, F. M., 25.
Shantz, H. L., 3.
Sharp, A. J., 84.
Sharp, H., 33.
Sharp, L. W., 62.
Sharp, M. A., 28.
Sharp, P. F., 62.
Shattuck, O., 77.
Shaw, C. F., 6.
Shaw, D. D., 22.
Shaw, H. B., III.
Shaw, H. R., 19.
Shaw, J. K., 41.
Shaw, J. N., 77.
Shaw, R. S., III, 42.

Shaw, S. B., 39.
Shaw, W. M., 84.
Shawl, R. I., 22.
Shay, W. W., 66.
Shealy, A. L., 14.
Shear, C. L., III.
Shear, O. E., 45.
Shear, S. W., 7.
Shearer, P. S., 27.
Shedd, C. K., 51.
Shedd, O. M., 34.
Sheets, O. A., 49.
Sheffer, L. M., 16.
Sheffield, C. A., 67.
Shelby, H., 39.
Sheldon, K. J., 90.
Shelley, L. W., 81.
Shepard, C. E., 12.
Shepardson, C. N., 86.
Shephardon, H. M., 19.
Shepherd, G. S., 28.
Shepherd, H. W., 8.
Sheppard, O. E., 53.
Shepperd, J. H., 68.
Sherbakoff, C. D., 84.
Sherburne, R. E., 11.
Shere, N. H., 30.
Sherman, F., 82.
Sherman, G. W., 26.
Sherman, J. M., 62.
Sherman, L. W., 73.
Sherwood, E. C., 95.
Sherwood, F. W., 66.
Sherwood, R. C., 46.
Sherwood, R. M., 86, 88.
Shibles, L. H., 38.
Shields, H. E., 3.
Shigley, J. F., 78.
Shilling, I. M., 30.
Shimer, S. R., 57.
Shinn, E. H., III.
Shipe, L. M., 85.
Shippy, W. B., 15.
Shires, L. B., 61.
Shirky, S. B., 52.
Shirley, W. W., 57.
Shive, J. W., 58.
Shivery, G. B., 85.
Shockey, B. F., 74.
Shoemaker, J. N., 71.
Shoemaker, J. S., 71, 73.
Sholl, L. B., 45.
Short, O., 31.
Shotwell, W. C., 52.
Showalter, M. F., 67.
Shrewsbury, C. L., 26.
Shriver, L. C., 94.
Shuey, G. A., 85.
Shuhart, D. V., 75.
Shull, W. E., 20.
Shultis, A., 7.
Shunk, I. V. D., 66.
Shute, M. V., 88.
Sidelmann, I. O., 78.
Sideris, C. P., 19.
Sievers, F. J., III, 40.
Sikes, E. W., 81.
Silva, F. R., 80.
Silver, E. A., 72.
Simmons, G. E., 37.
Simmons, J. E., 75.
Simmons, S. B., 68.
Simms, B. T., 77.
Simms, J. A., 11.
Simon, R. H., 72.
Simons, L. R., 63.
Simpson, A. W., jr., 16.
Simpson, E. E., 35.
Simpson, F., 21.
Simpson, J., 64.
Sims, A. J., 85.
Sims, F. A., 29.
Sims, J. W., 45.
Sims, T. A., 2.
Sinclair, G. W., 94.
Sinclair, W. B., 46.
Sinden, J. W., 65.
Singletary, B. H., 37.
Singletary, S. G., 67.
Singleton, H. P., 94.
Singleton, W. R., 13.
Sipe, F. P., 75.
Sipe, G. R., 50.
Sjogren, J. W., 9.
Skelley, W. C., 58, 59.
Skelton, G. V., 76.
Skidmore, L. V., 55.
Skillman, E. G., 59, 60.
Skinner, B. S., 72.
Skinner, E. L., 41.
Skinner, H. T., 64.
Skinner, J. H., III, 24.
Skuce, T. W., 95.
Slate, G. L., 66.
Slate, W. L., III, 11, 12.
Sleesman, J. P., 72.
Slipher, J. A., 71.
Sloan, H. J., 22.
Sloat, O., 84.
Small, Mrs. F. C., 58.
Slocum, B. A., 63.
Small, J. A., 58, 60.
Small, J. B., 68.
Smith, A., 6.
Smith, A. B., 34.
Smith, A. C., 48.
Smith, A. M., 30.
Smith, B. B., 32.
Smith, C. A., 10.
Smith, C. L., 40.
Smith, C. O., 9.
Smith, C. R. F., 30.
Smith, C. W. (Nebr.), 55.
Smith, C. W. (Pa.), 79.
Smith, D. C., 76.
Smith, D. D., 51.
Smith, E. A., 31.
Smith, E. C., 10.
Smith, E. D., 10.
Smith, E. E., 23.
Smith, E. H., 9.
Smith, E. T., 69.
Smith, E. V., 44.
Smith, F. A., 43.
Smith, F. B., 29.
Smith, F. E., 8.
Smith, F. H., 66.
Smith, F. R., 82.
Smith, F. S., 75.
Smith, G. E. P., 4.
Smith, G. H., jr., 56.
Smith, G. M., 24.
Smith, G. S., 69.
Smith, H., 89.
Smith, H. A., 94.
Smith, H. H., 88.
Smith, H. O., 28.
Smith, H. P., 87.
Smith, H. S., 7.
Smith, H. V., 3.
Smith, H. W., 38.
Smith, J. B., 80.
Smith, J. E., 40.
Smith, J. F., 86.
Smith, J. O., 50.
Smith, L. B., 8
Smith, Mrs. L. E., 18.
Smith, L. H., 21.
Smith, L. J., 93.
Smith, L. M., 7.
Smith, Mrs. M. C., 4.
Smith, M. E. (Ark.), 5.
Smith, M. E. (Okla.), 74.
Smith, M. L., 55.
Smith, M. M., 57.
Smith, M. R., 50.
Smith, O. (La.), 36.
Smith, O. (Okla.), 75.
Smith, O. M., 73.
Smith, O. N., 85.
Smith, P. H., 41.
Smith, R. C. (Kans.), 32.
Smith, R. C. (Ohio), 70.
Smith, R. E., 9.
Smith, Mrs. R. G., 63.
Smith, R. H., 7.
Smith, R. L., 81.
Smith, R. M., 4.
Smith, R. S., 21.
Smith, R. W., 69.
Smith, R. W., jr., 90.
Smith, S. F., 54.
Smith, S. L., II.
Smith, T., 19.
Smith, T. O., 57.
Smith, V. E., 94.
Smith, W. A., 25.
Smith, W. H., 22.
Smith, W. W., 24.
Smith, Z. M., 25.
Smits, B. L., 32.
Smurthwaite, G. H., 33.
Smyth, J. R., 37.
Snapp, R. R., 22.
Snell, M. E., 40.
Snell, M. G., 36.
Snider, H. J., 21.
Snipes, L. F., 55.
Snodgrass, G. L., 35.
Snodgrass, M. D., 3.
Snow, J. C., 84.
Snow, O. L., 45.
Snuggs, R. E., 86.
Snyder, A. H., 40.
Snyder, Mrs. E. B., 55.
Snyder, G. B., 42.
Snyder, L. H., 67.
Snyder, R. M., 45.
Snyder, R. S., 20.
Snyder, R. W., 27.
Snyder, W. P., 55.
Snyder, W. T., 37.
Solheim, W. G., 98.
Sommer, A. L., 2.
Somers, L. A., 23.
Sommer, H. H., 96.
Sommerfeld, E., 69.
Sommerville, Mrs. J. W., 52.
Sorenson, C. J., 89.
Sotola, J., 93.
Souder, M. A., 23.
Soule, A. M., III, 15.
Soule, E. P., 16.
Soule, R. M., 16.
Southerland, D. P., 67.
Sowder, A. M., 20.
Spaeth, J. N., 63.
Sparks, E., 71.
Spaulding, E. H., 11.
Spaulding, H. C., 38.
Spaulding, M. F., 68.
Spaulding, M. H., 54.
Spears, H. D., 35.
Spence, H. L., jr., 19.
Spencer, A. P., 14.
Spencer, F. W., 36.
Spencer, G. E., 25.
Spencer, H., 37.
Spencer, H. L., 64.
Spencer, J. O., 40.
Spencer, L., 63.
Spencer, L. H., 2.
Spencer, V. E., 56.
Sperry, A. B., 34.
Spicer, M., 96.
Spinney, L. B., 30.
Spitler, J. C., 22.
Spitzer, G., 25.
Spohn, A., 64.
Spohn, B. B., 70.
Sprague, D. C., 28.
Sprague, H. B., 59, 60.
Sprague, P. K., 79.
Spring, S. N., 63.
Springer, L. K., 56.
Spuler, A., 94.
Spurrier, F. M., 8.
Spurway, C. H., 45.
Stabe, H. A., 37.
Stack, J. W., 45.
Stacy, W. H., 28.
Stadler, L. J., 51.
Stafford, E. W., 50.
Stafseth, H. J., 45.
Stahl, A. L., 15.
Stahl, B. M., 70, 72.
Stahl, H. S., 91.
Stahl, J. L., 8.

Stair, E. C., 26.
Staker, E. V., 62.
Stakman, E. C., 48.
Staley, F. M., 68.
Staley, L. E., 82.
Stanford, K. M., 79.
Stange, C. H., 30.
Stanley, E. B., 3.
Stanley, W. W., 85.
Stansel, R. H., 87.
Stanton, I., 94.
Staples, C. H., 36.
Staples, R., 55.
Stapley, T. L., 4.
Starch, E. A., 53.
Starin, F. A., 11.
Stark, C. N., 62.
Stark, Mrs. P. W., 62.
Starke, R. R., 57.
Starkey, L. V., 81.
Starkey, R. L., 59.
Starr, G. E., 44.
Starr, L. E., 92.
Starr, S. H., 17.
Starrak, J. A., 28.
Starring, C. C., 54.
Stauffer, J. F., jr., 49.
Stauffer, R. S., 21.
Stearns, L. A., 13.
Stebbins, M. E., 52.
Steece, H. M., II.
Steele, B., 55.
Steele, D. G., 12.
Steele, G. H., 46.
Steele, J. G., 72.
Steenbock, H., 96.
Steer, R. D., 81.
Stefanson, H. S., 68.
Steffen, E. H., 93.
Steinbauer, G. P., 38.
Steinbrech, J. M., 99.
Steininger, G., 74.
Steinmetz, F. H., 38.
Stelzer, R. O., 95.
Stemmons, W., 12.
Stender, H. K., 19.
Stene, A. E., 81.
Stennis, M. A., 14.
Stenzel, H. B., 87.
Stephens, B. V., 83.
Stephens, D. E., 77.
Stephens, J. C., 88.
Stephens, J. L., 17.
Stephens, M., 30.
Stephens, P. H., 74.
Stephenson, N. M., 25.
Stephenson, R. E., 77.
Stephenson, R. S., 27.
Stephl, E. O., 54.
Sterges, A. J., 86.
Stern, J. K., 78.
Stevens, A. T., 12.
Stevens, C. L., 57.
Stevens, H. B., 57.
Stevens, K. R., 60.
Stevens, O. A., 68.
Stevens, W. M., 36.
Stevenson, F. J., 46.
Stevenson, G. L., 83.
Stevenson, W. H., 29.
Stewart, C. L., 22.
Stewart, F., 2.
Stewart, F. C., 65.
Stewart, G., 88.
Stewart, G. I., 38.
Stewart, G. R., 19.
Stewart, J., 27.
Stewart, L. C., 10.
Stewart, O. M., 52.
Stewart, P. H., 54.
Stewart, R., 56.
Stewart, R. E., 28.
Stewart, R. M., 63.
Stewart, R. T., 86.
Stewart, S., 37.
Stewart, T. G., 9.
Stewart, W. F., 70.
Stiles, C. F., 74.
Stiles, H., 30.
Stillman, E., 81.
Stillman, G. S., 97.
Stimmel, Mrs. M. P., 11.
Stinnett, L. H., 74.
Stinson, A., 46.
Stinson, T. B., 34.
Stirniman, E. J., 7.
Stivers, E. D., 85.
Stoa, T. E., 68.
Stockdale, C. E., 95.
Stockdale, G. A., 5.
Stoddard, E. M., 12.
Stokdyk, E. A., 7.
Stokes, W E., 14.
Stoll, F., 26.
Stoltz, R. B., 70.
Stolworthy, M. J., 57.
Stone, A. L., 96.
Stone, P. H., 17.
Stone, R. G., 52.
Stone, V., 95.
Stone, W. E., 90.
Stoneberg, H., 36.
Storer, T. I., 7.
Storie, R. E., 6.
Storm, A. V., 46.
Storvick, R. O., 28.
Story, I. M., 35.
Stotts, M. M., 30.
Stouder, K. W., 30.
Stough, H. B., 20.
Stout, A. F., 60.
Stout, E. T., 54.
Stout, G. J., 79.
Stout, M. G., 58.
Stout, W. B., 72.
Stover, W. G., 70.
Stracener, C. L., 37.
Strand, A. B., 85.
Strand, A. L., 47.
Strand, O., 69.
Strange, C. R., 98.
Stratton, G. E., 12.
Stratton, R., 73.
Street, O. E., 13.
Streeter, L. R., 65.
Streets, R. B., 4.
Strickland, G., 76.
Stringfield, G. H., 72.
Stroman, G. N., 61.
Strommen, A. M., 98.
Strong, Mrs. F. C., 42.
Strong, V. A., 61.
Strong, W. O., 92.
Strubinger, L. H., 23.
Stuart, H. O., 56.
Stubblefield, D. A., 20.
Stuckey, H. P., 17.
Studley, L. A., 47.
Sturgis, M. B., 86.
Sturkie, D. G., 1.
Sturlaugson, V., 69.
Sturtevant, A. P., 99.
Sudds, R. H., 79.
Sugg, R. S., 1.
Sulerud, G. L., 76.
Sullivan, J. T., 26.
Summers, E. M., 27.
Summers, O. N., 98.
Summers, T. H., 10.
Sumner, C. B., 97.
Sumner, E. F., 87.
Sumner, W. A., 97.
Sunderlin, G., 36.
Suneson, C. A., 31.
Sure, B., 5.
Surr, J. G., 8.
Sussex, S. W., 84.
Sutherland, S. S., 53.
Sutter, W., 60.
Suttle, A. D., 49.
Sutton, L. F., 95.
Sutton, T. S., 70.
Svendby, C., 93.
Swanback, T. R., 13.
Swanson, A. F., 34.
Swanson, C. O., 31.
Swanson, H. B., 28.
Swanson, L., 30.
Swanson, L. V., 30.
Swartwout, H. G., 52.
Swartz, V. W., 94.
Sweeney, M. P., 65.
Sweet, M. B., 20.
Sweetman, H. L., 99.
Sweetman, Mrs. M. D., 38.
Swenk, M. H., 55.
Swezey, O. H., 19.
Swift, H. C., 37.
Swift, R. W., 79.
Swingle, D. B., 53.
Swingle, H. S., 2.
Swinney, H., 30.
Swire, R. P., 37.
Swope, W. D., 78.
Sykes, J. D., 50.
Sylvest, J. B., 1.
Symons, T. B., III, 38.
Szymoniak, B., 37.

Tabor, A., 17.
Tabor, P., 15.
Tackaberry, M. R., 69.
Taff, P. C., 28.
Taggart, W. G., 36, 37.
Tague, E. L., 32.
Tague, W. H., 41.
Tailby, G. W., jr., 62.
Takahashi, M., 18.
Takakawa, S., 19.
Talbert, T. J., 52.
Talbot, N. A., 74.
Talbot, R. F., 37.
Taliaferro, W. T. L., 39.
Tanner, Mrs. A. G., 50.
Tanner, H. T., 50.
Tanner, J. E., 49.
Tanquary, M. C., 47.
Tansil, B. A., 35.
Tarr, W. A., 51.
Tarrant, L., 90.
Tascher, W. R., 51.
Tate, J. N., 86.
Taubenhaus, J. J., 87.
Tavernetti, J. R., 7.
Tavernetti, T. F., 6.
Taylor, C. A., 63.
Taylor, C. C. (N. C.), 67.
Taylor, C. C. (Va.), 91.
Taylor, F. W., 56.
Taylor, G. E., 43.
Taylor, G. S., 46.
Taylor, H. C., 90.
Taylor, H. J. W., 19.
Taylor, I. A., 44.
Taylor, J. B., 84.
Taylor, J. C. (Mont.), 53.
Taylor, J. C. (N. J.), 59.
Taylor, J. E., 75.
Taylor, J. E., jr., 75.
Taylor, J. R., 1.
Taylor, Mrs. J. T., 35.
Taylor, L. C., 76.
Taylor, L. V., jr., 51.
Taylor, L. W., 9.
Taylor, M. F., 33.
Taylor, R. W., 2.
Taylor, T. G., 89.
Taylor, W. A., III.
Tear, J. F., 44.
Teare, D. W., 81.
Tedder, G. E., 15.
Temple, C. E., 40.
Templin, E. H., 87.
Tennant, J. L., 81.
Tenny, R. W., 45.
Termohlen, W. D., 28.
Terrell, W. G., 35.
Terrill, B. M., 90.
Terry, O. P., 24.
Teske, A. H., 92.
Test, L. A., 24.
Tetrault, P. A., 24.
Teutsch, W. L., 76.
Thaden, J. F., 45.
Thatcher, L. E., 72.
Thatcher, R. W., 40.
Thayer, C. H., 40.
Thayer, C. L., 41.
Thayer, J. W., jr., 44

Theophilus, D. R., 20.
Theus, J. H., 37.
Thies, W. H., 42.
Thiessen, E. J., 99.
Thigpen, L., 12.
Thomas, C. A., 79.
Thomas, E. E., 6.
Thomas, E. F., 14.
Thomas, F. L., 87.
Thomas, H., 69.
Thomas, Harold E., 9.
Thomas, Harvey E., 9, 65.
Thomas, J. L. (Nebr.), 55.
Thomas, J. L. (Tex.), 86.
Thomas, J. M., III, 58.
Thomas, J. R., 92.
Thomas, L. C., 22.
Thomas, M. E., 67.
Thomas, R., 17.
Thomas, R. C., 72.
Thomas, R. P., 39.
Thomas, W., 78.
Thomas, W. P., 88.
Thomasson, M. E., 3.
Thomasson, R. R., 51.
Thompson, B. G., 76.
Thompson, C. H., 42.
Thompson, C. P., 73.
Thompson, D. M., 24.
Thompson, E. J., 68.
Thompson, F. E., 85.
Thompson, F. M., jr., 16.
Thompson, G. E., 30.
Thompson, H. C., 64.
Thompson, Mrs. H. D., 96.
Thompson, H. O., 19.
Thompson, J. B., 92.
Thompson, M. J., 47, 48.
Thompson, Mrs. M. M., 59.
Thompson, O. A., 69.
Thompson, P. K., 99.
Thompson, R. B., 75.
Thompson, R. L., 36.
Thompson, S., 36.
Thompson, S. H., 28.
Thompson, T. J., 54.
Thompson, W. C., 59, 60.
Thompson, W. L., 15.
Thomsen, F. L., 51.
Thomsen, L. C., 96.
Thor, A. U., 21.
Thordarson, T. W., 69.
Thorfinnson, T. S., 83.
Thornber, J. B., 20.
Thornber, J. J., 3.
Thornberry, H. H., 23.
Thorne, C. E., 71.
Thornton, B. J., 10.
Thornton, M. H., 26.
Thornton, S. F., 26.
Thorp, F., jr., 22.
Thorpe, G. A., 43.
Thorwaldsen, Mrs. M., 7.
Thrash, C. L., 71, 72.
Threlkeld, W. L., 92.
Throckmorton, R. I., 31.
Thurmond, J., 16.
Thurmond, M. F., 87.
Thursby, I. S., 14.
Thurston, A. S., 40.
Thurston, H. W., jr., 78.
Thurston, L. M., 95.
Tidmore, J. W., 1.
Tiebout, G. L., 37.
Tiedjens, V. A., 42.
Tietz, H. M., 79.
Tiffany, L. H., 70.
Tigert, J. J., III, 14.
Tilford, P. E., 72.
Tilton, C. G., 12.
Timberlake, P. H., 7.
Timmons, F. L., 31.
Tims, E. C., 36.
Tingey, D. C., 88.
Tippett, J. E., 8.
Tirrell, L. V., 11.
Tisdale, H. B., 1.
Tisdale, W. B., 15.
Tissot, A. N., 14.
Tittsler, R. P., 78.
Titus, C. M., 7.
Tobey, E. R., 38.
Tobey, G. N., 85.
Tobey, S. C., 10.
Tobiska, J. W., 10.
Todd, A. E., 22.
Todd, C. C., 93.
Todd, C. J., 87.
Todd, L. C., 26.
Toenjes, W., 44.
Tolaas, A. G., 48.
Tolles, G. S., 43.
Tom, R. B., 70.
Tomhave, A. E., 13.
Tootell, R. B., 53.
Topp, H., 48.
Torgerson, E. F., 77.
Torrance, J. B., 47.
Torrey, G. S., 11.
Torrey, J. P., 45.
Torrey, R. E., 40.
Toth, L., 64.
Totman, C. C., 83.
Tottingham, W. E., 96.
Tower, H. E., 54.
Towle, R. S., 99.
Townsend, H. G., 65.
Trabue, E., 12.
Tracy, F., 30.
Tracy, P. H., 22.
Transeau, E. N., 70.
Traphagen, P. V., 66.
Traub, H. P., 87.
Traum, J., 9.
Treanor, K., 15.
Trebra, R. L. von, 34.
Tregoning, L., 28.
Treichler, R., 86.
Treman, A. H., 64.
Trenk, F. B., 39.
Trent, D. P., 73.
Tretsven, J. O., 53.
Triebold, H. O., 78.
Trimble, H. M., 73.
Trimble, R. E., 10.
Tripp, Mrs. K., 83.
Trollope, G. A., 1.
Troop, J., 25.
Trost, J. F., 24.
Trotter, I. P., 51.
Trout, C. E., 74.
Trout, G. M., 43.
Trowbridge, E. A., 50.
Trowbridge, K. S., 16.
Trowbridge, P. F., 68.
Troxler, L. B., 58.
Troy, H. C., 62.
Trullinger, R. W., II.
Trummel, R. G., 22.
Truog, E., 98.
Tucby, E., 11.
Tucker, C. M., 80.
Tucker, H. H., 58, 59.
Tucker, L. R., 33.
Tucker, M. L., 41.
Tubker, R. E., 33.
Tuckey, S. L., 22.
Tuckwiller, R. H., 94.
Tufts, W. P., 8.
Tukey, H. B., 66.
Tullis, E. C., 5.
Tully, W. C., 68
Tungeln, G. H. Von, 28.
Tunnicliff, E. A., 54.
Turk, L., 52.
Turlington, J. E., 14.
Turnbull, E. E., 71.
Turneaure, F. E., III.
Turner, A. A., 15.
Turner, C. W., 51.
Turner, E., 44.
Turner, J. D., 35.
Turner, J. R., 94.
Turner, L. G., 79.
Turner, M. E., 30.
Turner, P. E., 59.
Turner, R. M., 93.
Turner, V. C., 3.
Turville, E. S., 3.
Tussing, E. B., 71.
Twitchell, H. P., 70.
Tyler, A. G., 47.
Tyler, J., 7.
Tyler, L. R., 48.
Tyrell, B. F., 97.
Tyson, J., 45.

Ufford, O. C., 10.
Uhrbrock, R. S., 63.
Ullgot, L. L., 47.
Ulrey, O., 43.
Ulrich, H. P., 24.
Umberger, H. J. C., III., 31.
Underhill, G. W., 91.
Underwood, F. O., 64.
Upham, C. R., 43.
Upp, C. W., 36.
Upshaw, L. M., 2.
Upson, F. W., 54.
Uren, A. W., 52.

Vail, C. E., 10.
Vail, G. E., 33.
Vaile, J. E., 13.
Valleau, W. D., 34, 35.
Van Alstine, E., 90.
Van Alstyne, L. M., 66.
Vanatter, P. O., 15.
Van Brocklin, F. R., 19.
Vance, T. F., 30.
Van Cleef, C. B., 15.
Van Cleef, E., 12.
Vandecaveye, S. C., 93.
Vandenberg, S. R., 18.
Vandenburg, J. T., 78.
van der Meulen, P. A., 58.
Vandervort, J., 79.
Van Deusen, Mrs. E. G., 52.
Van Doren, C. A., 21.
Van Dyke, E. C., 7.
Vandyke, Mrs. R. A., 90.
Van Es, L., 55.
Van Eseltine, G. P., 66.
Van Haltern, F., 17.
Van Horn, R. R., 54.
Van Kirk, M. S., 76.
Van Lone, E. E., 97.
Van Mater, H. L., 58.
Van Meter, R. A., 42.
Vann, O., 15.
Van Rensselaer, M., 62, 63.
Van Roekel, H., 42.
Vansell, G. H., 7.
Vanselow, A. P., 6.
Van Volkenberg, H. L., 80.
Van Zwaluwenburg, R. H., 19.
Varas-Catala, J., 80.
Vardy, M. L., 44.
Varney, V. V., 97.
Vass, A. F., 98.
Vaughan, H. W., 53.
Vaughan, L. M., 63.
Vaughan, R. E., 97.
Vaughan, S. M., 63.
Vaughn, E. C., 35.
Vaught, R. C., 35.
Vawter, L. R., 56.
Veatch, J. O., 45.
Vedder, N. M., 79.
Veihmeyer, F. J., 9.
Veldhuis, M. K., 53.
Venstrom, C., 56.
Verbeck, R. H., 42.
Verner, L., 20.
Vernon, J. J., 91.

Vernon, W. M., 27.
Verrall, A. F., 48.
Verret, J. A., 19.
Vestal, C. M., 24.
Vestal, E. F., 27.
Vestal, F. E., 49.
Vickery, H. B., 12.
Vierheller, A. F., 40.
Vifquain, R. M., 29.
Villamil, F. A., 80.
Vincent, C. C., 20.
Vincent, C. L., 94.
Vincent, G. W., 74.
Vinke, L., 53.
Vivian, A., 69.
Volkmar, F., 69.
Vollmer, B. V., 43.
Volz, E. C., 30.
Vondell, J. H., 42.
von Ende, C. L., 20.
von Trebra, R. L., 34.
Von Tungeln, G. H., 23.
Voorhies, E. C., 7.
Vorhies, C. T., 4.
Voris, LeR., 79.

Wachter, H. M., 73.
Waddell, J., 96.
Waddington, E., 60.
Wade, C. I., 92.
Wade, G., 35.
Wade, I. E., 75.
Wadleigh, C. B., 57.
Wadsworth, H. A., 7, 18.
Waggener, O. O., 54.
Waggener, S. M., 3.
Wagner, F. A., 34.
Wagner, Mrs. M., 84.
Wagner, R. G., 80.
Wahl, H. A., 78.
Waite, H. H., 54.
Waite, R. H., 40.
Waite, W. C., 47.
Wakeland, C., 20.
Wakeman, A. J., 12.
Waksman, S. A., 59, 60.
Walden, B. H., 13.
Walden, D. C., 12.
Walden, E. L., 95.
Waldron, C. B., 69.
Waldron, L. R., 68.
Walford, E. S., 12.
Walford, S. M., 26.
Walker, A. H., 76.
Walker, A. L., 61.
Walker, B. M., 49.
Walker, C., 76.
Walker, Mrs. D. D., 82.
Walker, D. J., 5.
Walker, E. A., 83.
Walker, F. W., 14.
Walker, G. G., 71.
Walker, G. P., 24.
Walker, H. B., 7.
Walker, J. C., 97.
Walker, L. S., 90.
Walker, M. M., 71.
Walker, M. N., 15.
Walker, R. H., 29.
Walker, W. H., 86.
Walker, W. P., 39.
Walkey, F. L., 26.
Wallace, B. A., 70.
Wallace, E. T., 25.
Wallace, H. F., 50.
Wallace, M. E., 91.
Wallace, R. C. E., 24.
Wallace, R. H., 11.
Wallace, R. W., 81.
Waller, A. E., 70.
Waller, A. G., 58, 59.
Waller, C. H., 88.
Waller, J. A., jr., 91.
Waller, O. L., 93.
Walls, E. E., 23.
Walpole, B. A., 43.
Walsh, F. E., 30.
Walsh, W. F., 65.
Walster, H. L., 68.
Walter, E. J., 77.
Walter, L. E., 98.
Walters, J. C., 17.
Waltman, C. S., 35.
Walton, T. O., III, 86.
Walts, C. C., 4.
Wanlass, W. L., 89.
Wann, F. B., 88.
Wann, J. L., 14.
Wanser, H. M., 94.
Ward, F. C., 15.
Ward, L. M., 37.
Ward, R. W., 19.
Ward, W. B., 26.
Ward, W. G., 32.
Wardall, R. A., 22.
Ware, B. M., 3.
Ware, E. E., 15.
Ware, F. E., 28.
Ware, G. W., 5.
Ware, H. G., 75.
Ware, J. O., 4.
Ware, L. M., 50.
Waring, Mrs. E. B., 64.
Waring, J. H., 38.
Wark, A. C., 59.
Warner, D. E., jr., 12.
Warner, E. P., III.
Warner, J. D., 14.
Warner, Mrs. L. A., 85.
Warren, D. C., 33.
Warren, G. F., 62.
Warren, H. T., 20.
Warttman, P., 49.
Warwick, B. L., 97, 98.
Wascher, H., 21.
Washington, J. I., 83.
Wasson, G. E., 84.
Wasson, R. A., 36.
Watenpaugh, H. N., 61.
Waterhouse, W. G., 8.
Waterman, H. C., II.
Waters, R. E., 49.
Watkins, C. W., 55.
Watkins, D. W., 82.
Watkins, J. V., 15.
Watkins, L. J., 3.
Watkins, W. E., 61.
Watkins, W. F., 29.
Watson, A. H., 57.
Watson, J. B., 5.
Watson, J. L., 86.
Watson, J. R., 14.
Watson, L. S., 16.
Watson, S. J., jr., 82.
Watson, T. G., 70.
Watt, A. L., 68.
Watts, R. L., 77.
Watts, V. M., 5.
Waugh, A. E., 12.
Waugh, F. A., 41.
Waugh, G. L., 57.
Weakley, C. E., jr., 94.
Weakley, L., 85.
Weaver, B. L., 23.
Weaver, D. S., 66.
Weaver, E., 74.
Weaver, F. P., 78.
Weaver, G. S., 84.
Weaver, L. A., 50.
Weaver, L. E., 65.
Weaver, R. A., 24.
Weaver, V. H., 23.
Weaver, W. E., 73.
Webb, E. G., 44.
Webb, H. E., 68.
Webb, V. Q., 37.
Webber, H. J., 8.
Weber, A. D., 54.
Weber, A. L., 58.
Weber, G. F., 15.
Webre, J. M., 36.
Webster, G. E., 33.
Webster, J. E., 73.
Webster, R. L., 94.
Weckel, K. G., 96.
Wedgworth, H. H., 42.
Weeks, D., 7.
Weems, C., 17.
Wegner, E. E., 94.
Wehrle, L. P., 63.
Wehrwein, G. S., 96.
Weidemann, A. G., 45.
Weinard, F. F., 23.
Weinke, O. A., 86.
Weir, T. S., 48.
Weir, W. W., 6.
Weisner, O. J., 83.
Welborn, J. P., 49.
Welborne, W. W., 50.
Welch, D. S., 65.
Welch, E. G., 34.
Welch, H., 54.
Welch, L. M., 52.
Welch, R. R., 78.
Weld, E., 91.
Weldin, J. C., 80.
Weldon, M. D., 45.
Weldon, M. M., 35.
Weller, D. M., 19.
Weller, M., 48.
Welles, W. S., 41.
Wellhouse, W. H., 31.
Wellington, J. W., II.
Wellington, R., 66.
Wellman, H. R., 7.
Wells, B. W., 66.
Wells, E. B., 31.
Wells, J. G., 43.
Welsh, Mrs. C. P., 39.
Welsh, M. F., 39.
Welton, F. A., 72.
Wenner, G. F., 44.
Wentworth, S. W., 40.
Wentz, J. B., 29.
Werkman, C. H., 27.
Werner, H. O., 55.
Wertz, V. R., 70, 72.
Wessels, P. H., 64.
West, B. B., 33.
West, C. H., 7.
West, E., 15.
West, E. M., 36.
West, F. L., 89.
West, R. B., 89.
Westbrook, E. C., 15.
Westgate, J. M., 18.
Westgate, M. E., 79.
Westgate, W. A., 57.
Westney, Mrs. F., 39.
Westover, K. C., 95.
Westveld, R. H., 44.
Wetherald, J. J., 39.
Whaley, G. C., 81.
Whaley, Mrs. M. J., 76.
Wharton, A. E., 87.
Wharton, M. F., 4.
Wheeler, C. M., 85.
Wheeler, E. J., 44.
Wheeler, J. T., 16.
Wheeler, R. H., 63.
Wheeler, S. S., 98.
Whelan, D. B., 55.
Whetzel, H. H., 65.
Whipple, B. K., 52.
Whipple, W., 36.
Whisenhunt, W. M., 67.
Whitacre, J., 87.
Whitaker, C. F., 75.
Whitaker, E. B., 5.
Whitaker, L., 61.
Whitaker, R., 22.
Whitcomb, W. D., 41.
Whitcomb, W. O., 54.
White, A., 40.
White, B., 40.
White, B. E., 75.
White, C. H., 38.
White, C. L., 92.
White, E. A., 64.
White, G. C., 11.
White, H. B., 47.
White, J. W., 77.
White, M. E., 18.
White, M. K., 52.
White, P. R., 51.
White, R. P., 60.

White, S. H., 23.
White, T. H., 40.
White, V. E., 11.
White, W. E., 79.
White, W. I., 67.
White, Mrs. W. P., 17.
White, W. R., 78.
White, W. T., 3.
Whiteford, G. H., 10.
Whitehead, F. E., 74.
Whitehouse, J. W., 35.
Whiteside, J. B., 48.
Whitfield, E. E., 48.
Whitfield, W. R., 27.
Whitford, L. A., 66.
Whitlock, M. C., 23.
Whitlock, S. C., 30.
Whitnah, C. H., 32.
Whitney, E. M., 12.
Whitson, A. R., 98.
Whittaker, J. C., 83.
Whittaker, M. E., 44.
Whittemore, M., 81.
Whittle, C. A. ,17.
Wiancko, A. T., 24.
Wiant, D. E., 83.
Wiant, J. S., 98.
Wichers, H. E., 33.
Wiebe, G. A., 6.
Wiegand, E. H., 77.
Wiegand, K. M., 62.
Wiggans, C. B., 5.
Wiggans, C. C., 55.
Wiggans, R. G., 64.
Wiggin, W. W., 71, 73.
Wightman, E. T., 95.
Wilbur, D. A., 32.
Wilbur, J. W., 25.
Wilcke, H. L., 27.
Wilcox, A. N., 48.
Wilcox, F. R., 7.
Wilcox, J., 76.
Wilcox, R. H., 22.
Wilcox, W. W., 22.
Wild, C. W., 79.
Wilde, E. I., 79.
Wilder, C. N., 16.
Wilder, O. H. M., 72.
Wilder, S. Z., 84.
Wildon, C. E., 44.
Wileden, A. F., 96.
Wileman, R. H., 25.
Wiley, J. R., 24.
Wiley, R. C., 39.
Wilford, E. J., 34.
Wilhelm, H. A., 28.
Wilkens, A. E., 55.
Wilker, M., 64.
Wilkins, F. S., 29.
Wilkins, W. W., 83.
Wilkinson, A. E., 12.
Wilkinson, J. A., 28.
Wilkinson, L. W., 36.
Wilkinson, R. S., 82.
Willaman, J. J., 65.
Willard, C. J., 70, 72.
Willard, H. S., 98.
Willard, J. T., 32.
Willard, R. E.,68.
Willey, H. F., 18.
Willey, R. C., 28.
Willhite, F. M., 21.
Williams, B. O., 82.
Williams, C. B., 66.
Williams, C. F., 67.
Williams, C. G., 71.
Williams, C. V., 32.
Williams, D. W., 86.
Williams, Mrs. E. S., 94.
Williams, F. X., 19.
Williams, G., 88.
Williams, G. A., 25.
Williams, J. C., 76.
Williams, L. C., 33.
Williams, L. F., 67.
Williams, L. L., 13.
Williams, M. J. (Colo.), 11.
Williams, M. J. (Ill.), 23.
Williams, N. W., 67.
Williams, P. E., 70.
Williams, P. S., 78.
Williams, R. H., 86.
Williamson, Mrs. C. M., 67.
Williamson, D. D., 57.
Williamson, H. H., 87.
Williamson, J. T., 1.
Williamson, M., 10.
Willis, J. W., 49.
Willis, L. G., 66.
Willis, R. L., 59.
Willman, H. A., 62.
Willman, J. P., 62.
Willmarth, A. B., 90.
Willoughby, C. H., 14.
Willoughby, L. E., 31.
Willoughby, M. E., 26.
Willson, C. A., 84.
Willson, E. A., 68.
Willson, L. H., 30.
Wilson, A. J., 67.
Wilson, A. L., 89.
Wilson, B. D., 62.
Wilson, C. E., 71.
Wilson, C. P., 61.
Wilson, C. V., 94.
Wilson, E. E. (Calif.), 9.
Wilson, E. E. (Oreg.), 76.
Wilson, E. J., 88.
Wilson, E. P., 30.
Wilson, F. G., 96.
Wilson, F. W., 56.
Wilson, H. F., 96.
Wilson, H. K., 46.
Wilson, I. D., 92.
Wilson, J. B., 2.
Wilson, J. D., 72.
Wilson, J. F., 6.
Wilson, J. H., 16.
Wilson, J. J., 27.
Wilson, J. K., 62.
Wilson, J. P., 2.
Wilson, J. T., 73.
Wilson, J. W., 83.
Wilson, LeM., 89.
Wilson, L. M., 30.
Wilson, M., 59.
Wilson, M. L., 53.
Wilson, M. M., 76.
Wilson, R. C., 17.
Wilson, R. S., 49.
Wilson, W. C., 35.
Wilster, G., 75.
Wimer, D. C., 21.
Winant, H. B., 39.
Winchester, G., 59.
Winegar, G., 55.
Winfrey, R. E., 30.
Wing, E. M., 10.
Wing, H. U., 62.
Wingard, S. A., 91.
Wingfield, J. C., 3.
Winkler, A. J., 8.
Winkler, C. H., 87.
Winsor, A. L., 63.
Winter, A. R., 71.
Winter, J. D., 47.
Winter, O. B., 43.
Winters, E., jr., 21.
Winters, E. S., 2.
Winters, J. S., 7.
Winters, L. M., 46.
Winters, N. E., 74.
Winters, R., 65.
Winters, R. Y., 66.
Winton, B., 52.
Wiseman, C. R., 83.
Wist, J. E., 19.
Withycombe, R., 77.
Wixson, S., 43.
Woerz, J. A., 62.
Wojta, J. F., 97.
Wolf, L. E., 63.
Wolff, S. E., 86.
Wolfram, Mrs. L. S., 71.
Wood, A. T., 35.
Wood, B. B., 42.
Wood, C. J., 4.
Wood, D. C., 51.
Wood, H. A., 45.
Wood, I. D., 55.
Wood, J. H. (Ga.), 17.
Wood, J. H. (Tenn.), 85.
Wood, La V., 33.
Wood, S. R., 73.
Wood, T. E., 38.
Wood, W. H., 87.
Woodard, C. S., 5.
Woodard, O., 17.
Woodbridge, M. E., 65.
Woodcock, E. F., 42.
Woodley, W. H., 4.
Woodroof, J. G., 17.
Woodroof, Mrs. N. C., 17.
Woodrow, J. W., 30.
Woodruff, J. A., 28.
Woodruff, M. deH., 67.
Woods, A. F., III.
Woods, E., 20.
Woods, F. H., 52.
Woods, M., 3.
Woodside, A. M., 91.
Woodward, C. R., 59.
Woodward, K. W., 57.
Woodworth, C. E., 96.
Woodworth, C. M., 21.
Woodworth, C. W., 7.
Woodworth, H. C., 57.
Wooley, J. C., 51.
Woolfries, A. C., 28.
Woolsey, C., 5.
Wooten, H. H., 67.
Worcester, M. A., 33.
Work, P., 64.
Working, E. B., 31.
Workman, N., 30.
Works, G. A., III, 11.
Worthen, E. L., 62.
Worthington, A. D., 31.
Worthington, L. G., 39.
Worthley, H. N., 79.
Wray, R., 7.
Wrenshall, R., 18.
Wright, A. H. (N. Y.), 63.
Wright, A. H. (Wis.), 96.
Wright, C. C., 94.
Wright, F. (N. Y.), 64.
Wright, F. (Oreg.), 76.
Wright, F. B., 63.
Wright, J. B., 50.
Wright, K. E., 40.
Wright, K. T., 44.
Wright, Mrs. M. B., 26.
Wright, R. G., 58.
Wright, T. R. H., 83.
Wright, W. J., 63.
Wrigley, P. I., 78.
Wuichet, J. W., 70.
Wyche, R. H., 87.
Wylie, C. E., 85.
Wyman, D., 64.
Wymore, F. H., 7.
Wyngarden, H., 43.

Yale, H. C., 12.
Yapp, W. W., 22.
Yeager, A. F., 69.
Yoast, Mrs. I. G., 61.
Yocum, W. W., 55.
Yoder, F. R., 93.
Yoder, L., 28.
York, H. A., 50.
Young, A., 56.
Young, A. L., 22.
Young, E. C., 25.
Young, G. E., 25.
Young, H., 84.
Young, H. C., 72.
Young, H. H., 10.
Young, H. N., 63.
Young, H. P., 90.
Young, J. B., 85.
Young, N. B., 53.
Young, P. A., 53.

Young, V., 86.
Young, V. H., 5.
Young, W. B., 22.
Young, W. H., 22.
Youngblood, B., II, III.
Youngstrom, C. O.. 20,
Yund, C. C., 26.
Zahnley, J. W., 31.
Zappe, M. P., 13.
Zaring, B., 26.
Zavoral, H. G., 46.
Zeasman, O. R., 96, 98.
Zeeuw, R. de, 42.
Zeigler, H., 15.
Zeimet, A., 97.
Zeller, S. M., 75.
Ziegler, P. T., 78.
Zielinski, J. B., 41.
Zimmerley, H. H., 92.
Zimmerman, C. C., 48.
Zimmerman, L., 10.
Zobell, I. D., 89.
Zon, R., 48.
Zook, L. L., 55.
Zschokke, T. C., 15.
Zumbro, P. B., 71.
Zundel, G. L., 78.
zurBurg, F. W., 81.